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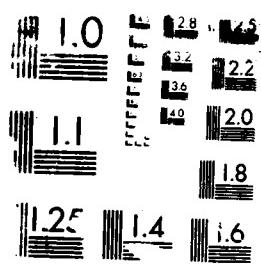
HECTOR FIELD FARGO NORTH DAKOTA REVISED UNIFORM SUMMARY 1/4  
OF SURFACE WEATHER (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. DEC 87

UNCLASSIFIED

USAFETAC/DS-87/001

F/G 4/2

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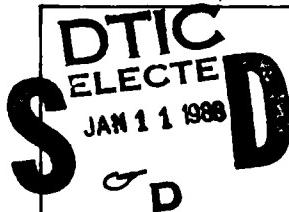
RESOLUTION TEST CHART

AD-A188 320

USND 727530

USAFTAC/DS-37 C 31

DTIC FILE COPY



**OPERATING LOCATION - A  
USAFTAC  
Air Weather Service (MAC)**



HECTOR FLD FARGO ND MSC#727530  
N 46 55 W 096 49 ELEV 900 FT KFAR  
PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST  
PERIOD OF RECORD;  
HOURLY OBSERVATIONS: JUN 77 - MAY 87  
SUMMARY OF DAY DATA: JAN 48 - MAY 87

DEC 10 1987

**FEDERAL BUILDING  
ASHEVILLE, N.C. 28801 - 2723**

881 3 CCI

REPORT DOCUMENTATION PAGE

- 1a. Report Security Classification: UNCLASSIFIED
3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
4. Performing Organization Report Number: USAFETAC/DS-87/081.
5. Monitoring Organization Report Number: USAFETAC/DS-87/081.
- 6a. Name of Performing Organization: USAFETAC/OL-A  
6b. Office Symbol:  
6c. Address: Federal Building, Asheville, NC 28801-2723.
11. Title: (RUSSWO) Hector Field Fargo ND.
12. Personal Author(s):
- 13a. Type of Report: Data Summary  
13b. Time Covered: Jan 48-May 87.
14. Date of Report: Dec 87
15. Page Count: 312
16. Supplementary Notation:
17. COSATI Codes: Field--04, Group--02
18. Subject Terms: \*climatology; \*weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Hector Field ND; Far go ND; Nouth Dakota; USND727530.
19. Abstract: A six-part statistical data summary of surface weather observations for: Hector Field Fargo ND. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
20. Distribution/Availability of Abstract: Same as report.
21. Abstract Security Classification: UNCLASSIFIED.
- 22a. Name of Responsible Individual: Marianne L. Cavanaugh  
22b. Telephone: (618)256-2625  
22c. Office Symbol: USAFETAC/LDD

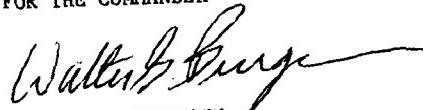
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**REVIEW AND APPROVAL STATEMENT**

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This document has been reviewed and is approved for publication.

FOR THE COMMANDER



WALTER S. BURGMANN  
Scientific and Technical Information Program Manager

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KF      RR   UU      UU      SS      SS      SS      SS      HH      H      HH      00      00
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RR      RR   UUUUUU      SSSSSS      SSSSSS      HH      HH      HH      HH      0000

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STATION NAME: HECTOR FLD/FARGO ND

STATION NUMBER: 727530

CALL ID: KFAR

**PERIOD OF RECORD:**

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: JUN 77 - MAY 87

SUMMARY OF DAY DATA: JAN 48 - MAY 87

TIME CONVERSION LST TO GMT: +6

DATE PRODUCED: 27 OCT 1987

DL-A/USAFETAC/MAC/AWS  
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/1GA AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECLUDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURVAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

TABLE OF CONTENTS

STATION HISTORY

PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

PART B: PRECIPITATION, SNOWFALL, AND SNOW DEPTH SUMMARIES

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WHO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WHO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WHO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
727530	Fargo, North Dakota, Hector Fld	N 46 55	W 096 49	900 ft	KAR	72753

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
Hector Muni Apt, Fargo ND established Jul 01, 1934	Hector Apt, Fargo ND	WBAS	Jul 34	20 Dec 36	46 54 N	096 48 W	899 ft	899 ft	24
		Same	20 Dec 36	Nov 53	Same	Same	Same	913 ft	24
		Same	Nov 53	Aug 57	Same	Same	Same	912 ft	24
		Same	Aug 57	Dec 64	Same	Same	900 ft	Same	24
		Same	Jan 65	07 Apr 65	Same	Same	Same	911 ft	24
		Same	07 Apr 65	Jan 80	Same	Same	Same	Same	24
		Same	Jan 80	May 81	Same	Same	899 ft	NA	24
		Same	May 81	May 84	Same	Same	899 ft	911 ft	24
		Same	Jun 84	May 87	46 55 N	096 49 W	900 ft	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS: ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	Jan 48 to Oct 53	Located on roof	anemometer	NA	47 ft	
	Nov 53 to 25 Jun 61	Located on Tower	F420B	NA	86 ft	
	26 Jun 61 to 10 Mar 63	Located 1800 ft NNW of adm Bldg	F420C	NA	20 ft	
	11 Mar 63 to Dec 68	Located 1500 ft NW of Adm Bldg	Same	NA	Same	

NUMBER OF CATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	Dec 68 15 Dec 69 to 25 Mar 81 26 Mar 81 to Jun 83	Located on Field Located on Field  Same Same	F420 F420  Same Same	NA F312  Same Same	20 ft 20 ft  Same Same	gust recorder commissioned

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	AAAAAA
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAA	RRRRRRR	TT	AAAAAAA
PP	AAAAAAA	RR RR	TT	AAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

## WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

### WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

### ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

### DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET: SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOW INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE.
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 1C/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 1C/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87

**MONTH:**

HOURS (LST)	TSTM	RAIN	FROZEN RAIN	SNOW	% OBS WITH PRECIP	FOG	SMOKE	DUST	% OBS W/CBST	TOTAL OBS
		L/FOR DRIZZLE	L/FOR RAIN	L/FOR SLEET		L/FOR HAIR	HAZE	L/FOR BLOWING SNOW	L/FOR SAND	
		DRIZZLE								VISION
00-02		.4	.6	25.3	26.1	3.5	6.6		10.1	930
03-05			.9	25.3	25.6	4.6	.2	6.6	11.4	930
06-06			.2	26.5	26.5	4.5	.2	7.2	.1	12.0
09-11		.1	.3	24.5	24.8	6.7	.8	8.3	15.3	930
12-14		.3	.3	23.2	23.8	4.0	.1	11.5	.3	15.5
15-17		.4	.6	19.0	19.7	3.8	10.0		.5	13.7
18-20		.6	.5	24.2	24.9	2.9	8.2		.4	11.1
21-23		.4	.8	24.9	25.4	3.8	7.4		.2	11.2
TOTALS		.2	.5	24.1	24.6	4.2	8.2		12.5	744.3

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87

**MONTH:**

HOURS (LST)	TSTM	RAIN	FRZNG	SNOW	% WBS	SMOKE	DUST	% OBS	TOTAL OBS			
		E/OR DRIZZLE	RAIN E/OR SLEET	HAIL	WITH PRECIP	FOG	E/OR HAZE	BLOWING SNOW				
00-02		1.4	1.7	18.4	24.9	9.7	.1	2.7	12.4	846		
03-05		1.8	1.9	21.5	24.5	10.6		3.2	13.9	846		
06-08		1.5	1.4	26.9	23.4	13.2	.1	3.5	16.9	846		
09-11		1.8	1.7	25.4	27.9	19.4	1.4	5.1	.4	25.7	846	
12-14		2.0	.5	20.7	22.8	12.1	2.0	6.9	.4	11.0	846	
15-17	.1	2.0	.5	16.1	18.2	10.3	1.9	6.3	.7	18.9	846	
18-20		1.1	.2	17.5	18.3	8.6	1.3	3.9	.6	14.2	846	
21-23		.9	.6	17.4	18.6	7.4	.6	3.3	11.1	846		
TOTALS		.6	1.6	1.1	19.7	21.6	11.4	.9	4.4	.3	16.4	6768

GLOBAL CLIMATOLOGY BRANCH  
USAFAETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR

FOURS (LST)	TSTMS	RAIN &OR DRIZZLE	FRZNG RAIN &OR DRIZZLE	SNOW &OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &OR HAZE	DUST &OR W/CBS	% OBS TO VISION	TOTAL OBS	
00-02		4.3	.4	11.6		15.8	8.4		2.0		10.4	930
03-05		3.8	.9	11.5		15.7	9.5		1.7		11.2	930
06-08		.1	4.0	1.2	12.3	16.5	3.5	.1	2.5		15.0	930
09-11			5.5	1.0	11.7	17.2	12.9	.3	4.5	.3	17.6	930
12-14			3.0	.3	8.9	11.9	9.0	.3	4.0	.9	14.0	930
15-17			4.2	.6	9.6	13.1	8.6	.9	3.9	1.1	14.2	930
18-20			5.3	.5	9.5	14.0	7.8	.9	2.9	.5	11.5	930
21-23			5.7	.4	10.9	16.3	7.3	.2	2.0		9.4	930
TOTALS		.0	4.5	.7	10.8	15.1	9.6	.3	2.9	.4	13.0	7440

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR

FOURS (LST)	TSTMS	RAIN &OR DRIZZLE	FRZNG RAIN &OR DRIZZLE	SNOW &OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &OR HAZE	DUST &OR W/CBS	% OBS TO VISION	TOTAL OBS		
00-02		6.3		3.4		9.2	5.0		.4	.3	5.7	900	
03-05		.3	7.4		3.9	10.9	4.1		.7	.2	5.0	900	
06-08		.3	6.7		3.6	10.2	6.6		.9	.2	7.7	900	
09-11			5.8		3.7	8.9	3.9	.6	1.6	1.0	6.9	900	
12-14		.1	6.3		2.2	8.1	3.3	.3	1.0	1.2	5.8	900	
15-17		.1	6.6		1.7	.1	6.1	3.1	.3	1.1	5.0	900	
18-20		.3	7.7	.1	2.2	9.9	2.3	.2	.4	.1	3.1	900	
21-23		.1	7.9		3.3	10.9	2.3	.2	.3	.1	2.9	900	
TOTALS		.2	6.0	.0	3.0	.0	9.5	3.8	.2	.7	.5	5.3	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY

HOURS (LST)	RAIN			FRZNG		SNOW		% OBS		SMOKE			DUST		% OBS		TOTAL	
	TSTMNS	& OR	RAIN	& OR	HAUL	WITH	PRECIP	FOG	& OR	BLLOWING	HAZE	SNOW	SAND	W/CBST	TO	VISION		OBJS
	DRIZZLL			& OR		SLEET												
00-02	1.5	8.0			.5	.1	6.5	2.8	.2				.1	3.1		930		
03-05	.5	9.0			.3		9.2	5.1					.1	5.2		930		
06-08	.5	7.4			.2		7.6	6.3	1.3					7.5		930		
09-11	.3	7.3					7.3	3.1	.8				.2	4.1		930		
12-14	.6	7.1					7.1	1.7	.9				.5	3.1		930		
15-17	1.0	6.6					6.6	1.8					.6	2.5		930		
18-20	1.3	8.6					8.6	2.0	1.0				.6	3.7		927		
21-23	1.4	8.1			.1		8.2	1.3	.1				.5	1.9		927		
TOTALS	.9	7.8			.1	.0	7.9	3.0	.5				.3	3.9		7434		

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN

HOURS (LST)	RSTHS URIZZLE	RAIN E/OR DRIZZLE	FZRNG E/OR	SNOw SLEET	FAIL	# OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	# OBS W/CBS TO VISION	TOTAL OBS
CD-02		2.2	5.6			5.6	2.2	.3		.1	2.4	900
03-05		2.7	7.6			7.6	4.7	.2			4.7	900
06-08		1.9	8.2			8.2	4.1	.3			4.3	900
09-11		.7	8.4			8.1	2.1	.3		.1	2.4	900
12-14		.8	7.9			7.9	1.7				1.7	900
15-17		1.0	7.3			7.3	1.2			.2	1.4	900
18-20		1.2	6.0			6.0	.9	.2		.4	1.6	900
21-23		2.2	6.1			6.1	.9			.3	1.2	900
TOTALS		1.6	7.1			7.1	2.2	.2		.1	2.5	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: JUL

HOURS (LST)	TSTMS	RAIN	FRZING	SNOW	% OBS	SMOKE	DUST	% OBS		
		E/OR DRIZZLE	E/OR	E/OR SLEET	WITH PRECIP	E/OR HAZE	E/OR BLLOWING	E/OR SNOW	W/CBS	TOTAL OBS
00-02	3.5	5.3			.1	5.3	1.3	.3		1.6 930
03-05	2.6	6.0				6.0	3.9	.3		4.2 930
06-08	1.6	7.2			.1	7.2	5.4	.8		5.6 930
09-11	1.7	5.8				5.8	2.2	.6		2.7 930
12-14	1.3	4.1			.1	4.1	.4	.4		.9 930
15-17	1.3	3.1				3.1	.3			.3 930
18-20	1.4	3.4			.1	3.4	.2		.1	.3 930
21-23	3.7	4.6				4.6	.3			.3 930
TOTALS	2.1	4.9			.1	4.9	1.8	.3	.0	2.0 7440

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: AUG

HOURS (LST)	TSTMS	RAIN	FRZING	SNOW	% OBS	SMOKE	DUST	% OBS		
		E/OR DRIZZLE	E/OR	E/OR SLEET	WITH PRECIP	E/OR HAZE	E/OR BLLOWING	E/OR SNOW	W/CBS	TOTAL OBS
00-02	1.7	4.7			4.7	3.0	.1			3.1 930
03-05	1.8	6.0				6.0	6.5			6.5 930
06-08	1.5	6.6				6.6	11.4	.6		11.8 930
09-11	1.3	6.1				6.1	4.6	.8		5.4 930
12-14	1.3	6.9				6.9	2.4	.5		2.9 930
15-17	1.4	5.9				5.9	1.1	.6		1.7 930
18-20	2.2	5.8				5.8	1.0	1.1		2.0 930
21-23	2.0	4.3				4.3	.9	.9		1.7 930
TOTALS	1.7	5.9				5.9	3.9	.6	.0	4.4 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFLTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP

HOURS (LST)	TSTM	RAIN	FRZNG	SNOW	% OBS WITH PRECIP	FOG	SMOKE	DUST	% OBS W/CST TO VISION	TOTAL OBS
		E/OR DRIZZLE	E/OR RAIN	E/OR SLEET			E/OR HAZ	E/OR SNOW		
00-02	.6	6.4		.1	6.6	4.7			4.7	900
03-05	.3	5.2			5.2	5.7	.1		5.6	900
06-08	.2	9.6		.1	9.9	8.2	.7		8.9	900
09-11	.6	10.1		.2	10.1	5.4	.8		6.2	900
12-14	.6	10.0		.1	10.0	3.9	.8		4.7	900
15-17	.9	8.8			8.8	3.4	.1		3.6	900
18-20	1.0	10.1			10.1	3.8	.4		4.2	900
21-23	.8	7.6		.1	7.8	2.7			2.7	900
TOTALS	.7	8.5		.1	8.6	4.7	.4		5.1	7200

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT

HOURS (LST)	TSTM	RAIN	FRZNG	SNOW	% OBS WITH PRECIP	FOG	SMOKE	DUST	% OBS W/CST TO VISION	TOTAL OBS	
		E/OR DRIZZLE	E/OR RAIN	E/OR SLEET			E/OR HAZ	E/OR SNOW			
00-02	.5	9.6		1.0	10.8	5.1	.4		5.5	930	
03-05	.3	6.0		2.2	10.0	6.3	.2		6.6	930	
06-08	.1	6.3		1.9	10.1	10.8	.4		11.2	930	
09-11	.1	9.8		.9	10.2	9.1	1.1		10.2	930	
12-14	.1	10.6		.1	10.7	11.5	8.1	1.2	9.2	930	
15-17	.5	10.0		.8	10.8	6.6	.2		6.8	930	
18-20	.8	10.9		2.0	.1	11.9	5.4	.2	5.6	930	
21-23	.3	12.0		2.4		13.4	4.3	.3	.3	4.9	930
TOTALS	.3	9.9	.0	1.6	.0	11.1	7.0	.5	.0	7.5	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV

HOURS (LST)	TSTM DRIZZLE	RAIN L/OR DRIZZLE	FRZING L/OR DRIZZLE	SNOW L/OR SLEET	% OBS WITH PRECIP	HAUL	FOG	SMOKE L/OR BLOWING HAZE	DUST L/OR W/CBS SAND	% OBS TO VISION	TOTAL OBS
00-02		2.7	1.0	15.2		18.3	9.4	.2	3.1		12.5
03-05		2.4	1.0	15.3		17.8	12.0	.1	2.9		14.9
06-08		2.3	.4	14.6		17.0	13.4	.1	2.6		16.0
09-11		3.3		14.9		17.9	14.1	.7	2.8		17.4
12-14		3.0	.2	14.3		16.9	7.9	.4	3.2		11.4
15-17		3.0	.6	14.3		17.2	5.6	.3	2.8		8.7
18-20		2.2	.7	16.3		18.0	4.8	.6	1.9		7.4
21-23		1.6	.6	16.2		18.6	5.7	.7	2.9		9.2
TOTALS		2.5	.6	15.1		17.6	9.1	.4	2.8		12.2

STATION NUMBER: 72753D STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC

HOURS (LST)	TSTM DRIZZLE	RAIN L/OR DRIZZLE	FRZING L/OR DRIZZLE	SNOW L/OR SLEET	% OBS WITH PRECIP	HAUL	FOG	SMOKE L/OR BLOWING HAZE	DUST L/OR W/CBS SAND	% OBS TO VISION	TOTAL OBS
00-02		.6	1.6	15.9		17.8	10.8		3.5		14.3
03-05		.6	1.6	17.3		19.5	10.6		3.7		14.3
06-08		1.6	1.6	20.1		22.5	11.2		4.8		16.0
09-11		.9	1.6	23.5		25.7	12.9	.4	5.4	.3	18.4
12-14		.6	1.0	22.0		23.4	7.3	.6	7.5	.4	15.5
15-17		.9	.8	17.8		19.4	7.1	.4	5.8	.6	13.7
18-20		.3	1.0	17.4		18.4	7.3		4.1	.3	11.7
21-23		.4	1.9	18.0		19.7	8.6		2.9		11.5
TOTALS		.7	1.4	19.0		20.8	9.5	.2	4.7	.2	14.4

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87  
MONTH: ALL

HOURS (LST)	TSTM	RAIN	FRZNG	SNOW	% OBS	FOG	SMOKE	DUST	% OBS	TOTAL
		& OR DRIZZLE	Rain	& OR SLEET	WITH PRECIP		& OR BLLOWING	& OR HAZE	SAND	
JAN ALL		.2	.5	24.1	24.6	4.2	.2	8.2	.2	12.5 7440
FEB		.0	1.0	1.1	19.7	21.0	11.4	.9	4.4	.3 16.8 6768
MAR		.0	4.5	.7	10.8	15.1	9.6	.3	2.9	.4 13.0 7440
APR		.2	6.8	.8	3.0	.0	9.5	3.8	.2	.7 .5 5.3 7200
MAY		.9	7.0		.1	.0	7.9	3.0	.5	.3 3.9 7434
JUN		1.6	7.1				7.1	2.2	.2	.1 2.5 7200
JUL		2.1	4.9			.1	4.9	1.8	.3	.0 2.0 7440
AUG		1.7	5.9				5.9	3.9	.6	.4 4.4 7440
SEP		.7	8.5		.1		8.6	4.7	.4	.1 5.1 7200
OCT		.3	9.9	.0	1.6	.0	11.1	7.0	.5	.0 7.5 7440
NOV			2.5	.6	15.1		17.6	9.1	.4	2.8 12.2 7200
DEC			.7	1.4	19.0		20.8	9.5	.2	4.7 .2 14.4 7440
TOTALS		.6	5.0	.4	7.8	.0	12.9	5.9	.4	2.0 .2 8.3 87642

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 49-87

MONTH: ALL

MONTH	1STMS	RAIN	FROZEN RAIN	SNOW	HAIL	% OBS	FOG	SMOKE	DUST	% OBS	W/LSI	TOTAL	
JAN		7.0	6.0	68.2		70.2	21.5	5.4	33.0	.5	49.0	1209	
FEB		.1	12.1	8.3	59.2	63.4	27.6	7.3	21.7	.3	46.0	1089	
MAR		.7	17.9	4.9	48.4	50.6	27.6	5.4	12.9	.9	39.5	1209	
APR		3.8	37.5	1.2	21.5	.7	48.4	20.9	2.8	.5	24.4	1170	
MAY		12.7	48.0		3.2	1.2	49.9	18.5	2.3	.2	19.8	1209	
JUN		24.6	53.9			1.9	53.9	16.6	2.2	.2	17.5	1140	
JUL		28.1	47.5			1.4	47.9	12.5	2.8		13.0	1178	
AUG		20.8	44.4			1.6	44.4	16.9	3.7		18.6	1176	
SEP		16.0	43.1			.9	.2	43.1	20.2	2.1		1146	
OCT		3.3	35.0	.7	10.6	.1	39.6	19.5	4.0	.5	21.0	1177	
NOV		.3	19.7	5.8	41.7		51.0	22.4	4.7	7.0	29.6	1129	
DEC		.1	13.0	10.3	62.5		65.5	29.7	4.8	20.6	.1	47.1	1177
TOTALS		8.7	31.7	3.1	26.3	.6	52.8	21.2	4.0	8.3	.2	19.0	14005

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	BBBBBBBBB
PPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	BBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRR	TT	BBBBBBBBB
PP	AAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBB

#### PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

#### EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESNTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "\*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDREDTHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

#### TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.  
NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION  
FROM SUMMARY OF DAY DATA

MONTH	AMOUNTS IN INCHES												PERIOD OF RECORD: 48-87					
	NONE	TRACE	.01	.05	.10	.25	.50	1.00	2.50	5.00	10.00	20.00	OVER TO TC	% DAYS WITH MEAS AMTS	TOTAL	MONTHLY AMOUNTS		
JAN	30.1	42.5	6.4	11.5	4.6	3.4	1.2	.3						27.4	1240	.59	1.36	.05
FEB	36.8	39.1	6.8	9.4	4.2	2.1	1.3	.3						24.1	1130	.46	1.74	.03
MAR	43.7	31.5	5.4	8.1	3.0	4.8	2.3	1.0						24.6	1240	.89	2.27	.03
APR	51.1	20.4	3.3	6.6	4.6	5.7	3.6	2.7	.7					27.7	1200	1.76	5.26	.04
MAY	53.6	16.2	3.6	7.4	4.5	6.0	4.6	3.6	1.1	.1				31.2	1240	4.35	7.30	.46
JUN	46.2	19.0	3.3	7.4	4.7	6.7	6.6	4.5	1.2	.3				34.9	1170	3.04	9.40	.56
JUL	52.1	16.5	4.3	6.0	4.5	6.2	4.0	3.5	2.6	.4				31.4	1200	3.31	6.42	.42
AUG	55.5	16.1	3.6	6.7	3.4	6.0	4.5	2.5	1.7	.1				28.4	1260	.37	6.46	.16
SEP	57.3	16.3	3.1	6.9	4.8	5.4	3.1	2.3	.7	.2				26.4	1170	1.79	6.13	.13
OCT	61.0	17.6	2.6	5.1	2.7	5.1	2.6	2.1	.8	.1				21.4	1200	1.55	7.03	.05
NOV	49.2	31.5	3.5	6.6	2.3	3.8	1.5	.9	.4					19.0	1170	.60	4.58	.04
DEC	34.8	34.5	5.8	9.4	4.7	3.8	1.4	.5						25.6	1200	.64	2.19	.04
ANN	47.4	25.7	4.3	7.6	4.0	4.9	3.1	2.0	.8	.1				26.9	14396	15.59		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72753C STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 44-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
48	.33	.57	.28	1.14	.55	1.69	1.58	.25	.36	.29	.31	.11	1.69
49	.68	.21	.23	.02	.99	.68	1.63	.61	.21	1.19	.20	.67	1.63
50	.32	.12	1.07	.34	1.17	.94	.16	.59	.48	.25	.16	.17	1.17
51	.15	.57	.52	.23	.64	.78	1.86	1.53	.37	.62	.24	.52	1.66
52	.57	.10	.27	.18	.24	.53	3.93	1.73	.15	.05	1.25	.10	3.93
53	.11	.21	.17	1.04	.70	2.05	.39	1.30	.44	.24	.46	.29	2.05
54	.12	.01	.27	.38	.35	.92	.85	1.06	1.13	.25	.05	.16	1.13
55	.05	.42	.17	.11	.66	.50	1.67	.28	.40	.13	.17	.25	1.67
56	.27	.13	.56	.85	.87	.61	1.36	.56	.60	.65	.71	.09	1.26
57	.39	.10	.04	.90	.64	2.77	1.01	.66	3.37	.98	.63	.03	3.37
58	.06	.06	.01	.54	.35	1.16	2.70	1.77	.23	.59	.52	.02	2.70
59	.11	.09	.06	.25	.93	1.51	2.18	1.19	.33	.78	.19	.29	2.18
60	.05	.03	.03	1.61	.69	.62	1.39	1.68	.59	1.06	1.62	.73	1.68
61	.05	.05	.34	.84	.93	.50	1.05	1.00	1.48	.65	.02	.15	1.48
62	.28	.35	.34	.45	1.50	1.15	1.72	1.69	.81	.59	.26	.09	1.72
63	.34	.19	.14	1.69	1.16	.54	.16	2.10	.28	.18	.12	.18	2.10
64	.27	.15	.41	1.46	.39	2.69	.35	1.51	.49	.08	.52	.28	2.69
65	.07	.10	.65	1.35	.60	.73	1.26	.94	.87	.36	.31	.30	1.35
66	.31	.18	.07	.74	.55	.72	1.55	1.19	.24	.71	.07	.18	1.55
67	.35	.04	.15	.96	.57	.90	.25	.16	.10	.56	.01	.57	.56
68	.10	.12	.64	.91	.45	.82	.70	.58	.49	.72	.14	.28	.61
69	.28	.13	.33	1.05	.98	.99	2.65	.31	.84	.43	.09	.21	2.85
70	.02	.05	.65	1.02	.81	.94	.24	.85	2.66	.25	.36	.24	2.66
71	.39	.26	.25	.61	1.15	.78	.76	.23	2.15	1.37	.56	.13	2.15
72	.57	.18	.35	.57	1.38	.25	1.35	.96	.07	.37	.11	.63	1.38
73	.06	.06	.62	.30	.60	.42	1.33	1.65	2.07	.86	.35	.42	2.07
74	.10	.09	.22	1.00	1.05	.37	2.95	2.78	.10	1.60	.46	.09	2.65
75	.22	.27	.64	.59	.51	2.78	.99	1.20	.65	.78	.31	.09	2.78
76	.33	.26	.42	.34	.34	.46	.30	.13	.45	.14	.17	.06	.46
77	.20	.72	.70	.31	4.02	.59	3.06	.95	1.00	1.52	1.50	.49	4.02

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 46-67

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
76	.24	.26	.24	.35	.44	2.41	1.45	1.94	.25	.08	.66	.23	2.41
79	.14	.41	.59	.82	.43	1.21	2.03	.30	.22	1.73	.17	.12	2.03
80	.78	.21	.27	.01	.39	.68	.22	1.81	1.33	.60	.21	.09	1.81
81	.03	.23	.29	.31	1.63	.72	1.44	.71	.52	.56	.14	.31	1.63
82	.47	.53	.39	.13	.52	.54	1.12	.38	.29	3.10	.54	.69	3.10
83	.23	.16	.59	.22	.57	.93	1.47	1.32	.57	.62	.40	.35	1.47
84	.27	.26	.32	.43	.26	1.67	.39	.14	.30	1.79	.08	.59	1.79
85	.06	.12	.43	.38	1.29	.69	1.19	.95	.45	.43	.52	.26	1.29
86	.45	.13	.07	1.78	.63	1.85	1.50	.72	1.61	.02	.71	.16	1.65
87	.19	.33	.17	.10	1.05								
MEAN	.230	.190	.366	.659	.825	1.069	1.325	1.006	.776	.703	.396	.257	2.062
S.D.	.169	.162	.246	.477	.626	.662	.692	.649	.747	.613	.371	.189	.812
TOTAL OBS	1740	1130	1240	1200	1240	1170	1209	1209	1170	1209	1170	1209	14356

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72753C STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 49-87

..... TOTAL MONTHLY PRECIPITATION IN INCHES

-M-O-N-T-E-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	.77	1.62	.67	2.44	1.05	4.57	4.10	.88	.85	.53	.76	.37	18.79
49	1.24	.53	.36	.02	3.54	2.72	4.95	1.19	.36	2.76	.79	1.31	19.77
50	1.36	.26	2.21	1.79	5.00	2.29	.42	.42	1.54	.99	.50	.60	17.36
51	.45	.72	.65	.46	1.63	2.36	3.77	5.64	.79	1.69	.75	2.19	21.25
52	1.57	.36	.68	.24	.47	2.03	8.42	2.69	.15	.08	1.67	.47	18.27
53	.37	.57	.46	2.94	3.44	5.23	1.08	2.94	.75	.32	.77	.70	19.57
54	.47	.72	.65	1.13	.61	1.46	2.34	2.60	2.68	.59	.17	.25	13.18
55	.18	.97	.63	.46	1.81	2.62	6.86	1.11	1.27	.34	.70	.47	17.44
56	.72	.18	.91	1.45	1.63	2.05	3.58	1.75	.83	1.14	1.62	.31	16.55
57	.31	.25	.68	1.90	2.00	5.47	4.72	1.68	6.13	1.64	.82	.05	25.13
58	.16	.15	.03	1.39	1.41	5.08	5.74	3.93	.71	.72	1.56	.04	20.54
59	.13	.20	.06	.66	1.88	4.78	4.26	3.02	.77	1.61	.31	.53	18.23
60	.17	.06	.11	3.62	1.71	1.62	2.45	3.91	1.26	1.34	1.63	1.01	19.04
61	.09	.15	.38	2.27	2.71	1.36	3.00	1.02	4.44	1.70	.06	.57	17.74
62	1.27	.97	1.08	1.51	5.95	2.78	5.92	3.25	3.15	.86	.54	.30	27.38
63	.13	.33	.51	2.67	2.61	1.69	.06	4.41	1.19	.23	.12	.39	14.54
64	.54	.27	.92	3.76	.87	4.65	.77	2.85	1.70	.10	.72	.91	18.26
65	.10	.14	1.36	3.04	3.06	3.10	4.81	2.55	3.50	.55	.79	1.01	24.01
66	.40	.26	1.92	1.78	1.27	2.91	4.01	3.80	.54	1.40	.18	.50	18.57
67	1.03	.21	.34	4.14	1.00	2.54	.60	.41	.31	1.06	.04	1.36	13.04
68	.37	.77	1.29	4.09	2.08	3.94	1.49	1.61	2.23	1.75	.37	1.11	20.60
69	1.27	.46	.54	1.55	2.36	2.03	5.92	.38	1.55	1.51	.14	.81	18.52
70	.10	.20	1.52	2.31	2.63	2.63	.43	1.24	3.61	1.61	.96	.47	17.50
71	.81	.34	.56	1.10	2.68	3.51	2.80	.92	4.30	4.42	.63	.59	22.66
72	.94	.61	.74	.96	3.52	.58	2.78	3.45	1.22	1.25	.22	1.51	17.78
73	.12	.13	1.25	.76	1.65	1.78	3.60	3.85	4.98	1.54	.90	1.02	21.52
74	.35	.36	.71	3.40	4.03	.90	4.75	6.46	.13	3.10	.48	.32	24.59
75	1.32	.27	1.48	3.24	1.45	9.40	2.42	2.90	1.24	1.76	.64	.18	26.30
76	1.25	.35	1.00	1.19	.46	2.34	.63	.41	.55	.16	.26	.24	8.64
77	.65	1.24	1.72	.84	7.30	1.64	5.36	2.53	3.21	2.46	4.58	.75	32.28

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72753C STATION NAME: FECTOR FLU FARGO NC

PERIOD OF RECORD: 45-87

YEAR	TOTAL MONTHLY PRECIPITATION IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
78	.16	.18	.43	1.15	1.78	4.40	2.92	3.79	.92	.13	1.11	.47	17.44
79	.44	1.74	2.00	3.04	2.02	2.92	3.38	.90	.31	2.60	.48	.14	19.57
80	1.23	.57	.62	.02	.64	2.68	.76	4.24	2.52	1.06	.47	.30	15.11
81	.11	.49	.67	.61	3.46	2.56	3.21	1.76	1.11	2.36	.40	.05	17.59
82	1.32	.54	1.25	.45	1.82	1.61	2.64	1.12	1.12	7.03	1.13	.17	20.20
83	.46	.21	2.27	.42	2.00	2.34	4.16	2.56	1.63	1.62	1.04	.96	19.67
84	.79	.93	1.12	1.69	.61	5.38	.64	.18	1.23	6.76	.18	.90	20.37
85	.20	.15	1.35	.62	5.03	1.44	3.91	2.30	1.39	1.12	1.06	.59	19.17
86	.85	.27	.19	5.28	1.00	3.98	4.78	1.72	3.67	.05	1.43	.29	23.51
87	.27	.56	.49	.12	3.46								
MEAN	.594	.454	.891	1.761	2.351	3.040	7.307	2.368	1.791	1.586	.798	.641	19.611
S.D.	.432	.396	.591	1.326	1.530	1.669	1.970	1.506	1.472	1.561	.772	.449	4.184
TOTAL OES	1240	1130	1240	1200	1240	1170	1209	1209	1170	1209	1170	1209	14356

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727532 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 48-67

MONTH	NONE	TRACE	AMOUNTS IN INCHES												% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS	
			.1	.5	1.5	2.5	3.5	4.5	6.5	10.5	15.5	25.5	OVER	MEAS AMTS	OBS	MEAN	GREATEST LEAST	
JAN	31.9	39.0	14.9	8.8	2.7	1.4	.5	.4	.2	.1	.1			29.0	1240	8.3	30.0	1.2
FEB	40.7	35.7	14.3	5.9	2.0	1.0	.4	.6		.1				24.3	1130	5.8	19.5	.3
MAR	51.9	27.1	12.6	5.9	1.9	1.4	.8	.5						21.0	1240	6.6	18.7	TRACE
APR	76.8	12.9	3.4	2.4	1.3	.5	.2	.2	.1					8.2	1200	3.0	12.8	TRACE
MAY	97.0	2.4	.3	.2										.6	1240	.1	1.0	.0
JUN	100.0														1170	.0	.0	.0
JUL	100.0														1209	.0	.0	.0
AUG	100.0														1209	.0	.0	.0
SEP	99.1	.9													1170	TRACE	TRACE	.0
OCT	89.6	8.2	.8	.9	.3	.1			.1					2.2	1209	.7	8.1	.0
NOV	58.5	26.9	7.3	3.9	1.5	.9	.3	.4	.1	.2				14.5	1170	4.9	24.3	.4
DEC	37.6	36.4	12.9	8.3	2.6	1.2	.6	.3	.1					26.0	1209	7.0	20.3	.3
ANN	73.8	15.7	5.4	3.0	1.0	.5	.2	.2	.0	.0	.0			10.5	14396	36.4		

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 77753C STATION NAME: FORT DODGE IOWA

PERIOD OF RECORD: 48-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
48	.4	5.7	2.6	.7	.0	.0	.0	.0	TRACE	5.0	1.1	5.7	
49	.8	1.0	1.3	TRACE	TRACE	.0	.0	.0	TRACE	3.0	5.7	6.6	
50	.4	1.0	2.4	2.6	1.0	.0	.0	.0	1.0	2.5	2.2	3.4	
51	1.7	10.8	3.4	1.3	.0	.0	.0	.0	7.0	2.4	5.2	10.8	
52	6.1	1.0	3.7	1.8	.0	.0	.0	.0	TRACE	.5	1.5	6.1	
53	.7	3.1	1.9	.7	TRACE	.0	.0	.0	TRACE	4.5	1.0	4.5	
54	.9	.1	2.0	.4	.9	.0	.0	.0	TRACE	.4	1.6	2.0	
55	.5	4.0	1.7	.3	.0	.0	.0	.0	TRACE	2.3	2.5	4.2	
56	1.7	1.3	6.0	3.6	.0	.0	.0	.0	TRACE	.0	.3	6.0	
57	1.0	2.7	.4	1.2	.0	.0	.0	.0	TRACE	1.0	.6	2.7	
58	.7	1.4	.7	TRACE	.0	.0	.0	.0	TRACE	3.0	.5	3.0	
59	1.7	1.1	.1	1.0	TRACE	.0	.0	.0	TRACE	.5	2.1	2.1	
60	.4	.5	.6	5.4	.2	.0	.0	.0	TRACE	10.9	1.6	10.9	
61	.6	1.0	TRACE	1.0	TRACE	.0	.0	.0	TRACE	.2	1.4	1.9	
62	1.2	3.1	3.4	1.3	.0	.0	.0	.0	.0	2.8	.9	3.4	
63	.6	1.8	1.4	6.6	.1	.0	.0	.0	.0	.4	1.8	6.0	
64	4.6	2.6	3.7	3.5	.0	.0	.0	.0	TRACE	2.0	.7	4.6	
65	.7	1.0	4.8	2.5	TRACE	.0	.0	.0	TRACE	.0	3.1	4.8	
66	4.0	.7	6.4	2.3	.0	.0	.0	.0	1.0	.8	1.4	6.4	
67	4.1	.5	2.9	2.7	TRACE	.0	.0	.0	.0	.7	.5	5.4	
68	1.0	1.2	1.4	5.4	.4	.0	.0	.0	.0	1.4	1.8	5.4	
69	1.8	4.5	1.5	TRACE	TRACE	.0	.0	.0	.0	1.5	1.5	4.5	
70	.6	.9	3.6	8.6	TRACE	.0	.0	.0	.0	.9	4.1	8.6	
71	4.7	3.2	.5	.5	TRACE	.0	.0	.0	.0	2.0	.6	4.7	
72	7.0	2.0	3.4	1.1	.0	.0	.0	.0	TRACE	.7	.9	7.2	
73	.6	.6	1.0	2.4	.0	.0	.0	.0	TRACE	1.3	4.4	4.4	
74	1.5	2.1	2.0	2.3	.0	.0	.0	.0	.0	.5	1.1	2.6	
75	.7	2.0	6.4	2.2	TRACE	.0	.0	.0	.0	3.1	.8	6.4	
76	4.1	5.1	4.0	TRACE	.1	.0	.0	.0	.0	1.7	1.0	5.0	
77	2.6	4.9	2.6	1.1	.0	.0	.0	.0	TRACE	12.0	2.0	12.0	

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 45-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
76	1.0	1.7	4.0	2.2	.0	.0	.0	.0	TRACE	3.7	5.3	5.3	
79	2.3	6.4	1.2	1.4	.6	.0	.0	.0	1.4	2.5	1.0	6.4	
80	10.5	2.2	3.1	TRACE	.0	.0	.0	.0	0.5	.5	2.0	10.5	
81	.6	2.3	.3	TRACE	.0	.0	.0	.0	TRACE	1.7	1.0	4.0	4.0
82	16.3	5.1	4.0	.2	.0	.0	.0	.0	0	3.4	.2	16.3	
83	1.6	1.5	4.0	2.3	TRACE	.0	.0	.0	TRACE	TRACE	2.1	3.8	4.0
84	7.1	1.2	3.1	.4	.0	.0	.0	.0	TRACE	TRACE	.9	2.4	3.1
85	1.2	2.4	4.6	TRACE	.0	.0	.0	.0	0	TRACE	7.2	1.8	7.2
86	4.9	3.7	.4	3.7	TRACE	.0	.0	.0	0	TRACE	4.0	1.9	4.9
87	1.0	4.6	.5	TRACE	.0								
MEAN	3.04	2.58	2.53	1.79	.39	.00	.00	.00	TRACE	.58	2.57	2.47	5.72
S.D.	3.51	2.096	1.742	1.914	.246	.000	.000	.000	1.245	2.595	1.634	3.015	
TOTAL ODS	1240	1130	1240	1200	1240	1170	1209	1209	1170	1209	1170	1209	14396

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 48-87

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
48	7.3	15.6	7.2	1.2	.0	.2	.0	.0	.0	TRACE	9.8	3.8	45.1	
49	12.3	5.6	2.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	5.3	10.6	36.3	
50	14.9	2.5	10.2	12.4	1.0	.0	.0	.0	.0	1.0	4.9	7.2	54.1	
51	5.7	12.1	11.5	2.0	.0	.0	.0	.0	.0	8.1	7.9	21.3	67.6	
52	11.2	3.2	9.9	1.6	.0	.3	.0	.0	.0	TRACE	.6	6.3	33.2	
53	7.3	6.4	4.6	.9	TRACE	.0	.0	.0	.0	TRACE	6.5	6.6	30.5	
54	7.0	.3	4.9	.5	.9	.0	.0	.0	.0	TRACE	1.1	2.3	16.0	
55	2.8	12.0	7.4	.3	.0	.0	.0	.0	.0	TRACE	6.0	4.9	33.4	
56	7.9	1.6	9.2	4.7	.0	.0	.0	.0	TRACE	.0	.5	3.2	27.3	
57	4.3	4.4	.7	2.8	.0	.0	.0	.0	TRACE	TRACE	1.6	1.2	14.0	
58	2.8	1.9	1.8	TRACE	.0	.0	.0	.0	.0	TRACE	6.5	.9	15.9	
59	3.0	3.5	.2	1.1	TRACE	.0	.0	.0	.0	.0	.7	3.6	1.5	12.6
60	6.2	1.2	2.4	7.9	.2	.0	.0	.0	.0	TRACE	11.0	2.6	32.5	
61	1.6	2.3	TRACE	2.6	TRACE	.0	.0	.0	.0	TRACE	.5	6.5	13.7	
62	10.9	10.1	10.7	2.0	.0	.0	.0	.0	.0	TRACE	.0	2.1	39.5	
63	1.3	3.9	5.3	6.7	.1	.0	.0	.0	.0	.0	.4	4.3	21.3	
64	2.4	6.2	8.4	9.2	.0	.0	.0	.0	.0	TRACE	2.7	11.9	46.8	
65	1.2	1.7	13.1	2.5	TRACE	.0	.0	.0	.0	TRACE	.0	6.1	30.7	
66	5.0	1.1	15.4	5.0	.0	.0	.0	.0	.0	TRACE	1.2	1.3	32.4	
67	15.1	2.6	4.9	5.0	TRACE	.0	.0	.0	.0	.0	.7	11.3	39.3	
68	4.0	2.4	2.0	11.6	.4	.0	.0	.0	.0	.0	.8	3.9	11.4	36.5
69	14.5	7.0	3.0	TRACE	TRACE	.0	.0	.0	.0	2.0	1.9	9.5	38.7	
70	2.3	3.6	9.1	12.6	TRACE	.0	.0	.0	.0	.0	.9	6.4	6.3	43.4
71	15.1	4.0	1.8	1.0	TRACE	.0	.0	.0	.0	3.8	2.3	16.0	36.8	
72	16.5	10.9	7.1	3.1	.0	.0	.0	.0	TRACE	3.8	1.7	16.5	61.6	
73	1.7	1.4	1.4	2.4	.0	.0	.0	.0	TRACE	.0	3.9	1.3	23.1	
74	6.1	7.1	10.5	2.7	.0	.0	.0	.0	.0	.4	1.0	5.1	32.9	
75	18.3	5.9	18.7	3.7	TRACE	.0	.0	.0	.0	.0	3.8	2.9	52.7	
76	14.0	6.2	14.0	TRACE	.1	.0	.0	.0	.0	.1	2.7	5.5	42.6	
77	12.6	10.7	4.6	2.1	.0	.0	.0	.0	TRACE	24.2	7.2	61.4		

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72753C STATION NAME: FORT FARGO ND

PERIOD OF RECORD: 48-87

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
78	4.6	3.5	7.1	2.4	.0	.0	.0	.0	.0	TRACE	8.5	11.7	38.6
79	7.8	19.5	4.3	2.7	.8	.0	.0	.0	.0	1.4	6.0	1.5	44.0
80	17.3	7.2	6.5	TRACE	.0	.0	.0	.0	.0	.5	1.1	4.6	37.2
81	2.1	4.5	.3	TRACE	.0	.0	.0	.0	TRACE	.3	2.2	5.9	21.3
82	37.0	10.9	14.2	.2	.0	.0	.0	.0	.0	.0	6.6	.3	62.2
83	3.8	2.0	7.4	2.9	TRACE	.0	.0	.0	TRACE	TRACE	5.3	11.8	33.2
84	11.5	3.1	7.7	.4	.0	.0	.0	.0	TRACE	TRACE	1.4	7.4	31.6
85	3.7	3.1	12.6	TRACE	.0	.0	.0	.0	TRACE	24.3	11.4	54.1	
86	11.2	6.7	.7	3.7	TRACE	.0	.0	.0	TRACE	5.7	3.8	31.4	
87	2.8	10.4	1.2	TRACE	.0								
MEAN	8.25	5.77	6.00	3.01	.39	.00	.00	.00	TRACE	.73	4.45	6.57	36.60
S.D.	6.285	4.339	4.799	3.441	.246	.000	.000	.000	.000	1.545	5.311	4.420	14.038
TOTAL OBS	1247	1130	1240	1200	1170	1209	1209	1170	1209	1170	1170	1109	14396

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH  
FROM SUMMARY OF GAY DATA

STATION NUMBER: 72753E STATION NAME: FORT DODGE IOWA												PERIOD OF RECORD: 48-67				
MONTH	NONE	TRACE	1	2	3	4	7	13	25	37	49	61	OVER	% DAYS WITH MEAS	MONTHLY AMOUNTS	
															MEAN	GREATEST LEAST
JAN	1.0	0.3	8.5	10.6	7.5	26.0	32.6	5.7	.2					90.6	1240	
FEB	2.7	7.2	9.1	10.3	11.9	24.5	26.2	8.1						90.2	1130	
MAR	21.9	18.9	9.8	7.0	8.2	13.0	15.0	5.9	.3					59.2	1240	
APR	78.3	12.4	3.5	2.2	1.3	1.9	.3							9.2	1200	
MAY	98.0	1.2	.2											.2	1240	
JUN	100.0														1170	
JUL	100.0														1258	
AUG	100.0														1239	
SEP	100.0														1170	
OCT	96.0	2.7	.5	.4		.2								1.1	1239	
NOV	53.2	23.1	6.9	5.5	4.3	5.0	1.0	1.3						23.9	1170	
DEC	10.5	16.5	13.6	10.6	13.2	21.0	10.8	1.6						71.0	1209	
ANN	63.6	7.6	4.3	3.9	3.9	7.6	7.1	1.9	.01					28.9	14395	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 707530 STATION NAME: HECTOR FLL FARGO ND

PERIOD OF RECORD: 48-P7

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	
48	18	23	25	1	0	0	0	0	0	0	2	4	25
49	11	13	9	TRACE	0	0	0	0	0	4	6	13	
50	18	16	13	4	TRACE	0	0	0	0	2	7	16	
51	9	9	15	1	0	0	0	0	5	7	15	15	
52	17	12	12	0	0	0	0	0	0	0	3	17	
53	4	4	2	TRACE	0	0	0	0	0	6	2	7	
54	12	10	2	1	1	0	0	0	0	1	3	14	
55	3	6	7	TRACE	0	0	0	0	0	3	5	8	
56	7	7	8	5	0	0	0	0	0	0	TRACE	1	6
57	2	3	TRACE	2	0	0	0	0	0	1	1	3	
58	2	4	1	0	0	0	0	0	0	0	4	5	
59	3	4	TRACE	0	0	0	0	0	0	0	1	4	
60	6	4	3	6	0	0	0	0	0	0	11	10	11
61	6	3	TRACE	1	0	0	0	0	0	0	TRACE	5	5
62	8	10	14	3	0	0	0	0	0	0	3	1	14
63	1	2	2	6	0	0	0	0	0	0	THAC	4	6
64	6	5	6	3	0	0	0	0	0	0	0	11	11
65	9	5	5	2	0	0	0	0	0	0	6	5	9
66	7	4	15	2	0	0	0	0	0	0	TRACE	1	15
67	11	8	3	0	TRACE	0	0	0	0	1	1	8	11
68	9	3	2	4	TRACE	0	0	0	0	0	TRACE	1	7
69	17	16	16	7	3	0	0	0	0	2	2	7	17
70	7	6	7	5	TRACE	0	0	0	0	0	1	4	7
71	10	14	?	1	0	0	0	0	0	0	1	5	14
72	10	9	5	1	0	0	0	0	0	2	1	13	13
73	12	2	1	TRACE	0	0	0	0	0	0	2	6	13
74	6	9	4	4	0	0	0	0	0	0	1	5	9
75	8	7	10	8	0	0	0	0	0	0	TRACE	3	2
76	9	8	10	TRACE	TRACE	0	0	0	0	0	TRACE	1	2
77	8	9	4	1	0	0	0	0	0	0	17	15	17

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARCO ND

PERIOD OF RECORD: 48-P7

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
76	10	11	14	2	0	0	0	0	0	0	4	12	14
79	12	24	19	4	1	0	0	0	0	0	3	1	24
80	11	6	5	TRACE	0	0	0	0	0	TRACE	1	11	
81	2	0	1	TRACE	0	0	0	0	2	1	7	7	
82	29	11	9	TRACE	0	0	0	0	0	0	3	TRACE	29
83	2	TRACE	6	2	0	0	0	0	0	TRACE	3	13	13
84	12	13	8	TRACE	0	0	0	0	0	TRACE	4	13	
85	0	9	9	TRACE	0	0	0	0	0	0	17	19	19
86	11	14	11	2	0	0	0	0	0	TRACE	4	2	14
87	2	5	4	TRACE	0								
MEAN	5.8	8.2	7.4	2.1	.1	.0	.0	.0	.0	.4	3.3	5.8	14.6
S.D.	5.017	5.574	5.825	2.195	.221	.000	.000	.000	.000	.559	4.009	4.624	5.345
TOTAL OBS	1040	1130	1240	1200	1240	1170	1200	1205	1170	1209	1170	1205	14355

NOTE \* (BASED ON LESS THAN FULL MONTHS)

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAA	RRRRRRR	TT	CC
PP	AAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCLCC

SURFACE WIND ALPHABETS

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968.  
COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "\*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPLETE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESNTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IS GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GEODIAL CLIMATOLOGY BRANCH  
USAFA/TAC  
AIR WEATHER SERVICE/MAR

EXTREME VALUES OF SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 70753, STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 70-87

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
70	NW 39	NW 50	NW 35	E 55	NW 44	NW 38	NW 37	NW 44	NW 40	NW 38	S 42	W 39	N 55
71	NW 34	NW 42	NW 34	SE 37	N 33	S 42	N 43	W 49	E 35	SE 45	W 39	SE 33	N 49
72	NW 42	NW 49	NW 43	NW 31	NE 35	W 38	NW 42	NW 37	W 41	NW 37	NE 31	NE 38	N 49
73	N 40	N 36	SE 36	SE 47	NW 39	W 40	N 36	W 57	SE 42	S 49	NW 37	W 47	N 67
74	SE 36	NW 36	NW 42	SE 41	SE 52	NW 46	NW 57	NW 47	N 41	N 38	SE 39	N 32	N 57
75	NW 52	NW 42	N 35	SE 37	NW 43	N 53	NW 46	SE 43	W 36	SE 43	N 36	NW 36	N 43
76	N 40	S 40	NW 45	N 46	N 40	NW 70	SE 35	N 50	N 41	NW 50	N 51	N 38	N 72
77	N 45	N 40	NE 38	N 40	SW 45	NW 45	SE 44	SE 44	NW 50	SE 44	NW 53	N 39	N 53
78	N 44	NW 39	NW 38	NW 47	S 33	SW 43	NW 62	W 35	S 39	N 39	NW 38	W 40	N 62
79	SE 33	NW 35	NW 45	S 45	S 42	SE 52	NW 51	N 53	S 38	N 47	NW 39	SE 44	SE 52
80	N 50	SE 36	NW 44	N 42	S 43	E 40	SW 32	SE 39	NW 38	SE 46	NW 33	NW 45	N 50
81	N 36	N 39	SE 33	S 41	S 39	W 37	E 43	N 33	NW 43	S 43	N 42	SE 34	N 43
82	N 44	W 46	W 50	NW 51	W 43	SE 39	W 60	N 36	SE 34	SE 35	NW 46	S 38	W 46
83	N 45	SE 35	S 35	NW 44	SE 50	W 44	W 42	NW 41	NW 42	SE 36	NW 33	SE 38	SE 45
84	W 34	N 51	N 43	S 36	NW 45	SE 45	SW 35	NW 31	SE 39	SE 39	SE 40	NW 41	N 51
85	NW 51	N 34	SE 46	NW 50	NW 50	SW 35	W 46	NW 40	S 31	S 31	S 43	W 42	N 51
86	NW 42	SE 34	SE 35	N 36	SW 40	S 34	NW 36	NW 31	SE 32	SE 38	SE 38	S 30	N 46
87	S 32	N 43	N 37	S 38	S 37	W	W	W	W	W	W	W	W
MEAN	40.91	40.61	39.91	41.41	41.81	43.51	43.91	47.91	38.61	41.61	39.51	38.81	52.8
STD.	6.3201	5.2451	5.1591	5.9921	5.5.11	8.6101	9.1031	7.6691	3.8251	4.4611	6.1251	5.4401	7.146
TOTAL OBS	5561	5051	5391	5401	5581	5081	5271	5261	5101	5271	5171	5271	6325

NOTES: \* (BASED ON LESS THAN FULL MONTHS)

% (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
USAFTAC  
ATMOSPHERIC SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 727530 STATION NAME: FECTOR FLU FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: JAN HOURS/STATION: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60		
N	.4	2.0	2.4	5.3	1.7	.5	.4					12.4	12.5
NE	.1	1.2	.6	.3								2.3	7.2
NE	.2	.5	.6	.1								1.5	6.6
ENE	.5	.6	.2									1.4	4.5
E	.2	.9	.4	.3								2.3	7.2
ESE	.1	.9	.2	.4								1.6	7.3
SE	.1	.5	.8	1.8	.9	.1						4.2	12.4
SSE		.6	3.1	3.9	2.0	.5						10.3	12.8
S	.6	3.3	5.8	3.2	.1							13.1	8.6
SSW	.2	1.7	3.0	.6								5.6	7.8
SW	.4	1.4	1.1	.4								3.3	6.7
WSW	.3	1.2	1.2	.8	.1							3.5	8.4
-	.1	1.7	1.5	1.3								5.6	7.5
WNW	.2	1.6	1.5	1.2	.1	.2	.1					5.2	9.2
NW	.5	1.1	1.8	3.7	.9	.4	.5					8.9	12.8
NNW	.2	1.6	2.6	3.2	1.5	2.0	.3					11.7	13.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	7.1	/
TOTALS	4.4	22.3	27.5	26.6	6.9	3.9	1.4					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	.4	1.9	4.0	4.2	1.9	.5	.4			13.5	12.1
NNE	.2	.8	.5							1.5	6.1
NE	.2	1.2	.4	.1						1.9	5.7
ENE	.4	.6	.8							1.8	6.1
E	.2	.6	.5	.2						1.6	6.6
ESE	.2	1.0	.1	.2						1.5	6.7
SE	.6	.5	2.3	.3	.1					4.3	11.6
SSE	.1	1.6	3.0	4.8	1.8	.2				11.6	11.8
S	.5	3.2	5.4	3.2	.2					12.6	8.6
SSW	1.8	1.6	.6							4.1	7.0
SW	.3	.9	1.6	.5						3.3	7.2
WSW	.2	.5	1.6	.1						2.5	7.5
W	.2	2.0	1.6	1.4	.1					5.4	8.4
WNW	.2	2.3	1.3	1.5	.1	.3	.1			5.8	9.5
NW	1.3	2.9	2.5	.4	1.1	.2				8.4	12.7
NNW	.1	1.2	3.7	2.9	1.9	1.7	.4	.2		11.7	14.1
VARIABLE											
CALM	/	/	/	/	/	/	/	/	/	8.7	/
TOTALS	3.4	21.7	29.6	24.6	6.9	3.7	1.2	.2		100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.7	4.8	3.3	1.8	1.4	.2				13.8	12.3
NNE	.3	.6	1.1								2.0	6.2
NE	.2	1.1	.6	.1							7.0	6.1
ENE	.1	.8	.5	.2							1.6	6.8
E	.1	.2	.4	.1							.9	7.6
ESE	.2	.6	.4								1.4	5.9
SE		1.0	2.0	2.2	.4	.3					5.9	11.1
SSE	.1	1.5	3.1	4.4	1.5	.1					10.8	11.5
S	.3	3.1	6.7	3.2							13.3	8.7
SSW	.4	1.6	1.9	.2							4.1	6.5
SW	.4	1.2	2.0	.5							4.2	7.2
WSW	.2	2.6	.6	.3			.1				3.9	6.7
W	.5	1.4	1.9	1.4	.4	.1					5.8	9.2
WNW	.3	1.3	2.5	1.2	.8		.2				6.2	10.6
NW	.5	1.6	2.3	2.3	.5	.2					7.4	9.9
NNW	.2	1.5	4.0	2.3	1.2	1.2	.4	.2			11.0	13.1
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	5.7	/
TOTALS	4.5	21.9	35.1	21.6	6.7	3.3	1.0	.2			100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	1.3	3.1	4.8	1.9	1.4	.1					13.1	13.3
NNE	.4	.2	.9	.8	.1							2.4	8.9
NE		.6	.4	.2								1.3	7.4
ENE	.2	.9	.4	.3								1.8	6.5
E	.3	.3	.4	.1								1.2	6.5
ESE		.6	1.2	.2								1.9	7.3
SE	.2	.8	1.1	1.6	.9	.1						4.6	11.6
SSE	.2	1.2	3.3	4.2	1.3	.5						10.8	12.0
S	.4	1.8	4.9	4.9	.9							13.0	10.3
SSW	.2	1.3	1.4	.6								3.5	7.5
SW	.2	.9	1.4	1.0								3.4	8.4
WSW	.6	1.7	2.6	.4								5.4	6.9
W	.3	1.3	2.6	2.4	1.1							7.6	10.6
WNW		1.0	1.6	1.9	.9	.2	.1					5.7	12.5
NW	.1	1.0	2.3	2.7	.5							6.6	10.8
NNW	.3	1.2	2.9	4.4	1.4	1.1	.4	.1				11.8	12.7
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	5.8	/
TOTALS	4.1	15.9	30.5	30.6	8.9	3.1	.2	.2				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 7P-87  
MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	1.5	2.4	3.3	3.5	1.9	.3					13.4 14.5
NNE		.6	.5	.4	.4							2.0 10.6
NE		.3	.4	.2								1.0 8.3
ENE		.1	.5	.2	.1							1.0 6.2
E		.1	.9	.5								1.5 6.4
ESE		.1	1.0	1.2	.2							2.5 7.0
SE		.1	.3	1.5	1.3	1.2	.2					4.6 12.9
SSE		.0	2.0	2.8	1.9	1.1	.1					8.7 14.7
S		.1	1.4	3.4	5.8	1.2						11.9 11.2
SSW		.2	.3	1.1	1.4	.2						3.2 10.5
SW		.3	.8	1.2	.6							2.9 7.7
WSW		.4	1.8	1.2	.1	.1						3.7 10.0
W		.6	1.0	2.8	3.4	.8	.1					9.2 10.1
WNW		.3	.3	2.2	4.1	1.7		.1	.3			9.5 13.2
WNE		.2	1.4	2.0	1.3	1.4	.7					6.8 11.4
NNW		.3	1.7	2.4	5.5	3.2	1.6	.4	.1			14.7 14.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	/	3.3 / /
TOTALS	3.0	13.9	25.7	31.7	15.7	5.1	1.0	.4				100.0 11.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.7	2.9	5.7	3.4	1.3	.4				15.9	17.8
NNNE	.1	.9	1.2	.9	.1						3.1	8.9
NE		.4	.2								.6	6.3
ENE	.3	1.1	.5								1.9	5.7
E		1.7	.5								1.8	6.5
ESE	.3	1.0	.9	.2							2.4	6.4
SE		.5	1.5	1.7	.8	.2					4.7	12.2
SSE	.3	.5	2.3	4.4	1.7	1.4	.2				10.9	14.2
S		1.8	2.4	4.5	.6						9.4	12.8
SSW	.3	.8	1.4	.9							3.3	7.9
SW	.1	1.0	1.5	.6							3.2	7.8
WSW		1.2	2.4	1.2	.2						4.9	9.1
W	.4	1.6	1.2	2.4	.1	.1					5.8	9.4
WNW		1.7	2.7	1.9	1.0	.1	.2				7.2	11.4
NNW	.1	.6	2.2	2.5	1.2	1.3					8.0	14.1
NNNW		1.1	3.8	4.6	2.9	.5	.3	.3			13.4	14.0
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	3.3	/
TOTALS	2.5	16.8	27.4	31.5	11.9	4.9	1.2	.4			100.0	11.3

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	2.7	4.6	5.3	2.7	.5	.3				16.6	12.1
NNE	.3	.6	1.0	.3	.1						2.4	8.0
NE	.3	1.1	.2	.1							1.7	5.1
ENE	.2	.4	.8								1.4	6.2
E	.3	.6	1.3								2.3	6.4
ESE	.2	1.3	.9	.2							2.6	6.5
SE	.1	.6	1.9	1.0	.8	.4	.1				4.9	12.4
SSE	.1	1.7	1.9	5.2	2.0	.5	.2				11.7	13.1
S	.3	1.6	5.6	2.9	.5	.1					11.1	9.7
SSW	.1	1.0	1.7	.3	.1						3.2	7.9
SW	.2	.9	1.4	.4	.1						3.0	7.8
WSW	.3	1.2	2.2	.4	.1						4.2	8.0
-	.2	1.6	2.5	1.0							5.3	7.8
WNW	.5	1.8	1.4	1.1	.6	.2	.3				6.0	10.4
NW	.6	1.1	2.4	2.4	.9	.3					7.7	10.7
NNW	.3	1.2	2.3	3.9	1.4	.9	.4	.4			10.6	14.0
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	5.3	/
TOTALS	4.8	19.5	31.9	24.4	9.4	2.9	1.4	.4			100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	1.7	3.5	4.3	3.8	.6	.4				14.7	13.3
NNNE	.3	.6	1.4	.6	.1						3.1	6.4
NE	.1	1.2	.3								1.6	5.5
ENE	.1	1.3	.2								1.6	4.9
E	.1	1.1	.5	.1							1.6	6.3
ESE	.1	1.0	.5	.2							1.8	6.9
SE	.2	.6	1.4	1.2	.4	.2					4.2	11.1
SSE		1.0	2.5	5.9	1.1	1.2	.1				11.7	13.4
S	.2	2.0	5.4	3.7	.3						11.6	9.4
SSW	.1	.8	2.3	1.0	.1						4.2	8.9
SW	.1	1.6	1.7	.8							4.2	7.6
WSW	.1	1.2	1.4	.9							3.5	8.2
W	.5	2.0	2.3	1.1							5.9	7.3
WNW	.3	1.5	1.9	1.1	.4						4.5	9.6
NW	.2	1.2	1.3	1.7	1.2	.1	.4				6.1	13.1
NNW		1.5	3.0	3.7	1.8	.5	.4				11.7	13.2
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	7.3	/
TOTALS	2.9	20.3	29.7	26.1	9.2	2.9	1.2	.4			100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.8	3.5	4.5	2.6	1.7	.3				14.7	17.0
NNE	.2	.7	.9	.4	.1						2.4	5.2
NE	.1	.8	.4	.1							1.5	6.2
ENE	.7	.8	.5	.1							1.6	5.9
E	.2	.7	.6	.1							1.7	6.6
EEF	.2	.6	.7	.2							2.0	6.7
SE	.1	.6	1.3	1.6	.7	.2	.0				4.7	11.9
ESE	.1	1.1	2.7	4.4	1.7	.7	.1				10.8	12.8
S	.3	2.3	4.9	3.9	.5	.2					12.0	9.6
SSW	.2	1.2	1.6	.7	.1						3.9	8.0
SW	.3	1.1	1.5	.6	.0						2.5	7.5
WSW	.2	1.2	1.7	.7	.1	.0	.0				4.0	9.1
W	.4	1.8	2.0	1.8	.3	.7					6.3	9.0
NNW	.2	1.5	1.9	1.7	.7	.1	.2	.1			6.4	11.0
NW	.3	1.2	2.1	2.4	.9	.5	.1	.0			7.5	12.0
NNW	.2	1.3	3.1	3.8	1.9	1.1	.3	.2			12.0	13.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	5.8	/
TOTALS	3.7	19.0	29.7	27.2	9.4	3.7	1.1	.3			100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL 8	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.8	4.1	4.3	1.7	1.4	.2				13.8	12.7
NNE	.4	.9	1.4	.9							3.7	8.0
NE	.2	.8	1.1	.8							3.0	8.0
ENE	.5	.7		.2							1.5	5.2
E	.4	1.7	.1		.1						2.2	5.2
EEF	.5	1.7	.4								2.5	4.6
SE	.2	2.4	1.5	.8	.5						5.4	8.6
SSE	.2	1.8	4.3	4.5	2.7	1.1					14.5	12.3
S	.5	3.8	5.1	3.5	.1						17.0	9.7
SSW	.1	2.5	.8	.9							4.4	7.1
SW	.2	1.1	.7	.1							2.1	6.1
WSW	.6	1.2	.4	.4							2.5	6.0
W	.4	2.4	1.8	.6							5.1	6.9
WNW	.5	1.5	2.4	.8	.1						5.3	7.8
NW	.6	.9	2.2	1.1	.2	.1					5.2	8.8
NNW	.2	1.9	2.7	2.7	1.8	.6	.1				9.9	11.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	5.8	/
TOTALS	5.9	27.0	39.0	21.7	7.2	3.1	.4				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0300-0530C

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.9	2.0	4.8	5.1	1.2	.8					14.4	11.3
NNE	.1	.8	1.7	1.1							3.7	8.6
NE	.2	.5	.9	.1							1.8	7.3
ENE	.1	1.2	.1								1.4	4.8
E	.1	1.3	.6								2.0	5.6
ESE	.6	.8	.1	.2							1.8	5.4
SE	.2	1.5	1.4	1.5	.1						4.8	9.0
SSE	.2	1.2	5.0	6.9	2.0	.5					15.7	12.0
S	.9	4.6	4.1	2.0	.6						12.3	7.9
SSW	.5	1.5	1.4	.2							3.7	6.8
SW	.2	1.4	1.3		.1						3.1	6.7
WSW	.2	1.4	1.2	.2							3.1	6.5
W	.7	1.3	1.8	.5							4.3	6.9
WNW	.4	1.1	2.1	1.1							4.6	8.1
NW	.4	1.4	2.0	1.1	.1	.5					5.4	9.2
NNW	.4	2.0	2.0	4.1	2.0	.4	.5				11.3	12.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.6	//////
TOTALS	5.8	24.1	30.6	24.1	6.1	2.1	.5				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	2.7	2.8	5.4	1.2	.5	.2					13.5	11.1
NE	.4	1.2	1.7	1.1								4.3	7.9
NE	.2	1.2	.5	.1								2.0	5.9
ENE	.1	1.5	1.1									2.7	6.2
E	.5	1.1	.5	.1								2.1	5.3
ESE	.1	1.2	.9	.2								2.5	6.6
SE	.2	1.3	1.4	2.1	.4							5.4	9.7
SSE	.1	1.5	4.0	4.6	2.5	.6						13.4	12.3
S	.6	3.3	6.0	2.8	.2							13.0	8.5
SSW	.4	1.8	1.2	.2	.2							3.8	7.2
SW	.1	1.3	.4	.2								2.0	6.5
WSW	.4	1.2	1.5	.1								3.2	6.5
W	.2	1.5	2.2	.8	.1							5.0	8.2
WNW	.8	1.5	1.2	.6	.1							4.3	7.0
NW	.2	1.3	1.7	1.7	.2	.1						5.2	10.0
NNW	.2	2.8	2.6	3.5	1.4	.7						11.2	11.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	6.5	////
TOTALS	5.2	26.5	29.6	23.8	6.4	1.9	.2					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	2.4	4.0	5.3	1.9	.5	.1					14.8	11.6
NE	.4	6	1.5	.9								3.4	R.2
NE	.2	7	.7	.4								2.0	7.1
ENE		5	1.3	.1								1.9	7.5
E	.1	1.1	.6	.5								2.2	7.2
ESE	.2	7	.6	.4								1.8	6.9
SE	.1	9	2.1	1.9	.9	.1						6.1	11.4
SSE	.4	8	2.7	6.4	1.8	1.3						13.4	13.2
S	.4	6	5.0	3.3	.8	.1						12.2	9.7
SSW		1.2	1.9	.2								3.7	7.3
SW	.2	9	.7	.2	.1							2.2	7.4
WSW	.4	6	1.3	.7	.1							3.1	8.2
W	.6	7	1.2	1.5	.2							4.3	9.4
WNW	.4	6	.9	.8	.7	.1						5.0	9.4
NW	.5	6	2.2	2.2	.8	.2						6.6	11.2
NNW	.5	1.2	3.1	5.1	.9	.7	.4					11.6	12.5
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	5.9	/
TOTALS	4.7	17.5	29.8	30.0	8.4	3.2	.5					103.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 846

**GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC**

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARSGO ND

PERIOD OF RECORD: 7A-87  
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEEDS IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	2.2	3.0	5.8	2.7	1.1	.2					15.2	12.8
SNE		.7	.9	.7								2.4	9.4
NE	.4	.4	.9	.1								1.9	6.6
ENE	.2	.6	.4	.4								1.5	7.1
E	.4	.6	.4	.4								1.7	6.9
SE	.2	.4	1.2	.5								2.2	8.2
SE	.2	.5	1.3	1.5	.4	.1						4.7	11.0
SSE	.2	.8	3.4	4.8	3.2	1.7						13.7	13.6
S	.2	1.2	5.4	6.2	.6	.1						12.8	10.5
SSW	.2	.6	1.7	.9	.1							3.2	9.0
SW	.1	.5	1.5	.8								3.7	9.0
WSW	.2	.6	1.1	.4								2.2	7.6
W	.2	.9	1.2	1.3	.5							4.1	9.9
WNW	.5	.7	.8	.6	.8	.1						3.5	10.9
NW	.1	1.4	3.2	1.7	.7	.9	.9					8.3	12.1
NNW	.4	1.2	4.6	1.2	2.1	1.2	.2					16.8	12.5
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	3.5	/
TOTALS	3.9	14.3	30.6	31.1	11.1	4.6	.8					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: P46

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS/LIST: 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	.2	1.2	3.3	6.4	3.2	.9	.1			15.4	12.5
NNE	.2	.8	1.9	1.1	.1					4.1	9.1
NE	.4	1.3	1.0							2.8	5.9
ENE		.7	.8	.2						1.8	7.7
E		.6	.5	.2						1.3	8.3
ESF	.1	.6	1.1	.2	.2					2.2	8.2
SE		.5	2.6	1.5	.5	.1				5.2	10.9
SSE	.1	.7	2.8	5.6	2.6	.9				12.6	13.8
S	.2	2.0	5.6	3.1	.9					11.8	9.9
SSW	.1	.5	1.4	1.4						3.4	9.9
S	.2	1.7	.9	.7						3.5	7.2
SW	.4	.6	.8	.2		.1				2.1	7.7
W	.5	.8	.6	.9	.4					3.2	9.3
WNW	.1	1.2	.9	.6	.5	.1				3.4	9.7
NW	.6	.7	2.5	3.1	1.4	.7	.1			9.1	12.4
NNW	.7	.8	4.4	6.1	1.7	1.8	.1	.1		15.7	13.2
VARIABLE											
CALM	/	/	/	/	/	/	/	/	/	2.1	/
TOTALS	3.9	14.7	31.3	31.4	11.5	4.6	.4	.1		100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND											PERIOD OF RECORD: 78-87	
											MONTH: FEB HOURS(LST): 1800-2000	
DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	1.5	4.4	7.2	1.9	.7	.1	.4			16.4	12.8
NNE	.4	1.4	1.7	1.2		.1					4.7	9.5
NE	.6	2.0	1.1								3.7	5.5
ENE	.4	1.8	.4	.4							2.9	6.2
E	.6	.8	.7	.1							2.2	5.4
ESE	.1	.7	.8	.2	.1						2.0	8.2
SE	.1	.0	2.4	2.0	.2	.5					6.0	11.0
SSE	.1	.5	5.2	4.0	2.0	.5					12.3	12.4
S	.4	2.5	5.0	2.6	.4						10.8	8.9
SSW		.9	.7	1.2							2.8	9.4
SW	.2	.5	.8		.2						1.8	8.1
WSW	.5	.9	.5	.2							2.1	5.9
W	.4	1.2	1.1	.8							2.4	8.1
NNW	.6	1.5	.7	.6	.1						3.5	7.4
NW		1.8	1.9	1.5	.4						5.3	9.2
NNW	.1	1.8	3.8	3.8	1.4	1.7					12.5	12.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	7.4	/
TOTALS	4.6	20.7	31.0	21.7	6.7	3.4	.1	.4			100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	3.2	5.8	5.3	2.1	.9	.1	.1				18.1	11.6
NNE	.1	1.1	1.5	1.7	.1							4.5	9.6
NE	.2	1.5	1.1	.1								3.0	6.7
ENE	.1	1.3			.1							1.7	5.8
E	.4	1.8	.2	.1								2.5	5.1
ESE	.5	.8	1.2	.1	.1							2.7	6.7
SE	.1	1.3	1.8	1.3	.4							4.8	9.7
SSE	.2	.9	2.8	6.1	1.7	1.1	.1					13.0	13.2
S	.1	4.3	4.5	3.1	.6	.1						12.6	9.0
SSW		1.4	.9	.6								3.0	7.6
SW	.1	1.2	.8	.2								2.4	6.9
WSW	.5	1.1	1.3	.5	.2							3.5	8.0
W	.2	1.5	1.1	.5	.2							3.5	8.1
WNW	.1	1.1	1.3	.4	.1		.1					3.1	8.7
NW	.1	1.3	2.5	1.2	.2							5.3	9.1
NNW	.2	1.5	2.0	2.7	1.3	.8		.2				8.9	12.7
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	7.4	/
TOTALS	3.5	25.3	28.8	24.0	7.2	3.0	.4	.4				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 7P-87  
MONTH: FEB HOURS/LIST: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN #IND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	2.1	4.0	5.6	2.0	.9	.1	.1				15.2	12.2
NNE	.2	.9	1.5	1.1	.0	.0						1.9	8.6
NE	.3	1.0	.9	.2								2.9	6.6
ENE	.2	1.0	.5	.2	.0							1.9	6.1
E	.3	1.1	.4	.2	.0							2.7	6.9
EEF	.3	.9	.8	.2	.1							2.2	6.8
SE	.2	1.2	1.8	1.6	.4	.1						4.2	10.2
SSE	.2	1.0	3.8	5.4	2.3	.9	.0					17.6	10.8
S	.4	3.0	5.1	3.2	.5	.0						12.3	9.2
SSW	.2	1.3	1.2	.7	.0							2.4	6.7
SW	.2	1.1	.9	.3	.1							2.5	7.1
WSW	.4	.9	1.0	.3	.0	.0						2.7	7.1
W	.4	1.3	1.4	.9	.2							4.1	8.2
WNW	.4	1.7	1.3	.7	.3	.0	.0					4.1	8.6
NW	.3	1.2	2.3	1.7	.5	.3	.1					6.3	10.5
NNW	.3	1.8	3.1	4.3	1.6	1.0	.2	.0				12.3	12.5
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	5.7	11.1
TOTALS	4.7	21.2	40.1	26.5	8.1	3.2	.4	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
 MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	1.7	4.4	4.9	2.5	1.1						14.7	12.5
NNE	.8	1.6	2.5	1.0	.2							6.0	7.7
NE	.3	1.9	1.4	.2	.1							4.0	6.8
ENE	.3	1.2	.9	.8	.1							3.1	7.7
E	.6	1.4	1.1	.2								3.3	5.9
ESE		1.8	1.1	.1								3.0	6.6
SE	.3	1.1	2.4	1.5	1.3	.6						7.2	11.9
SSE	.1	1.4	2.6	3.5	1.6	1.1						10.3	13.2
S	.5	4.6	4.7	3.1	1.1	.1						14.2	8.9
SSW		1.0	.8									1.7	6.9
SW	.6	.6	.3	.2								1.8	5.5
WSW		.9	1.0	.6								2.5	6.3
W	.2	1.6	1.2	.2								3.5	9.1
NNW		1.0	1.2	1.2	.3	.1						3.8	10.2
NW		1.0	1.6	1.5	.5	.2						4.8	11.0
NNW	.1	1.4	3.2	2.2	1.2	.8	.1					9.9	12.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	7.0	/
TOTALS	4.1	24.2	30.1	21.3	8.9	4.2	.1	.3				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	2.6	4.3	3.7	2.3	1.2	.1					14.6	11.8
NNE	.3	1.2	1.8	1.1	.4							4.8	8.9
NE	.8	2.0	2.0	.4								5.3	6.9
ENE	.3	.6	1.3	.8								3.0	9.8
E	.3	1.6	1.0	.2								3.1	6.1
ESE	.1	2.0	1.3	.5								4.0	7.2
SE	.1	1.4	2.6	2.2	1.5	.2						8.7	11.5
SSE		1.4	1.4	3.5	2.0	.9	.3					9.6	13.9
S	.2	2.7	4.1	3.1	.5	.1						10.8	9.4
SSW	.2	1.9	1.1	.2								3.4	6.4
SW	.2	1.2	.2	.3								1.9	6.4
WSW		.6	.3	.4								1.4	5.3
W	.2	1.0	1.6	.3	.1	.1						3.3	8.1
WNW	.3	.8	1.0	1.1	.4	.2						3.8	10.8
NW	.1	1.7	1.4	1.6	.5							5.4	9.9
NNW	.1	1.2	2.8	3.4	1.4	.8	.1					9.8	12.5
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	7.8	/
TOTALS	3.9	24.0	28.2	22.9	9.2	3.4	.5					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	2.3	4.7	3.2	2.4	1.4	.2	.1				14.8	12.5
NNE	.2	2.4	1.6	1.5	.3	.1						6.1	8.8
NE	.1	2.4	.8	.8	.1							4.1	7.6
ENE	.2	1.9	1.2	.4	.3							4.1	7.6
E	.2	1.1	.9	.4								2.6	7.2
ESE	.6	2.5	1.5	.5								5.2	8.3
SE	.3	1.3	2.7	2.2	.8	.5						7.7	11.3
SSE	.3	1.3	1.5	4.0	1.8	1.2						18.1	13.5
S	.5	2.7	4.7	3.2	.3	.3						11.8	9.5
SSW	1.5	1.1	.2	.1								2.9	7.6
SW	.6	.3	.4									1.4	8.3
WSW	.1	.8	.8	.3								1.9	7.3
W	.6	1.3	.2	.1	.2	.1						2.6	10.6
NNW	.5	1.0	.9	1.5	.2							4.1	9.5
NW	.1	.6	1.9	.9	.1							3.7	9.0
NNW	.3	1.6	2.4	3.5	1.5	1.2	.2					10.8	12.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	6.1	/
TOTALS	4.2	24.5	28.2	23.3	8.1	4.9	.5	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-49	41-47	48-55	GE 56		
N	.5	2.2	4.2	5.3	3.8	1.6						17.5	13.0
NNE	.3	1.5	1.5	1.6	.3	.2						5.5	9.9
NE		.6	1.3	.8	.2							2.9	9.9
ENE	.1	.8	1.9	.8	.3							3.9	9.1
E	.4	.6	1.2	.6								3.0	8.4
ESE	.3	1.1	1.7	.5	.1							3.8	7.7
SE	.2	1.1	2.3	2.4	1.7	.6	.1					9.4	13.0
SSE		.5	2.0	3.0	2.6	.9	.2					9.2	14.8
S	.2	1.9	4.4	3.4	1.3	.3	.1					11.7	11.1
SSW	.1	.6	1.4	.5								2.7	8.2
SW	.1	1.0	.4	.5								2.0	7.6
LWSW	.2	.4	.8	.5								1.9	8.4
W	.1	1.1	1.3	1.6		.1						4.2	9.7
LWNW		.1	.6	1.1	.8	.2						2.9	13.8
NW		1.0	1.4	2.2	.9	.3						5.7	12.2
NNW	.5	2.2	2.8	2.8	1.5	1.7	.3	.3				12.2	13.4
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.6	/
TOTALS	3.2	16.7	29.2	27.7	13.4	6.0	.8	.3				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	2.3	3.4	5.1	4.5	1.7	.5				17.8	14.2
NNNE		.4	2.2	2.0	.2	.2					5.1	11.2
NE	.1	.6	1.5	1.2	.1						3.5	9.2
ENE		.7	1.0	.1	.3	.1					1.8	11.1
E	.2	1.5	1.8	.6	.1						4.3	7.7
ESE	.4	.4	1.5	.8	.1						3.2	8.5
SE		.4	1.4	2.2	1.5	.1					5.6	13.2
SSE	.2	.6	1.8	2.7	2.7	2.7	.3				10.4	15.9
S	.2	.6	3.2	5.4	1.3	.2					11.0	12.3
SSW	.2	.6	.9	.6	.1						2.5	8.8
SW		.4	1.1	.6							2.2	9.0
WSW		.9	1.3	.5							2.7	8.2
W	.1	.9	1.5	1.3	.5	.1					4.4	10.5
WNW	.3	.3	.5	1.5	.6	.1					3.4	12.3
NW	.9	1.1	1.0	2.3	.9	.8					6.8	11.7
NNW	.1	1.1	3.7	4.0	3.0	1.5	.3	.1			13.8	14.3
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.5	/
TOTALS	3.1	12.6	27.7	30.9	16.0	6.9	1.2	.1			100.0	12.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	1.9	4.6	5.6	3.4	1.7	.3	.1			18.0	13.7
NNE	.2	.9	2.7	2.0	.6						6.5	10.4
NE	.1	.6	1.5	1.2							3.4	9.4
ENE	.1	.5	1.5	.6	.3	.1					3.2	10.2
E	.1	.5	.8	.5							1.9	8.6
FEF		1.1	1.6	.5	.1						3.3	8.4
SE	.1	.2	1.5	1.9	1.7	.2					5.7	13.6
SSE		.6	2.0	4.5	3.3	2.0	.1				12.7	15.4
S	.3	.8	3.8	3.2	.6	.2					8.9	10.9
SSW	.2		.4	.3							1.0	9.0
SW	.3	.3	1.0	.6	.1						2.4	9.1
KSW	.1	.2	.8	.4	.2						1.7	9.8
W	.1	1.6	1.5	1.6	.3						5.2	9.6
WNW	.2	.5	.8	.9	.5	.2					3.3	12.1
NW	.1	.8	2.0	2.5	1.4	.5					7.3	12.9
NNW	.1	2.0	1.8	5.8	3.0	1.0	.1				13.9	13.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.6	/
TOTALS	2.5	12.7	28.3	32.4	15.8	6.1	.5	.1			100.0	12.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	2.8	3.8	6.8	3.4	.9	.2				18.5	12.5
NNNE	.1	1.5	2.8	1.7	.2	.1					6.5	9.3
NE	.4	1.3	1.7	.9	.1						4.4	8.0
ENE	.1	1.3	1.2		.1	.1					2.8	7.4
E	.3	1.5	.6	.3							2.3	6.1
ESE		1.2	2.6	.6	.1						4.5	8.2
SE	.1	.9	1.3	3.0	1.2	.4					6.9	12.7
SSE	.1	1.3	2.9	4.3	1.5	1.2					11.3	12.8
S	.4	2.9	2.8	3.1	.8	.2					10.2	9.6
SSW	.1	.3	.5	.1	.1						1.2	8.4
SW	.5	.8	.3	.2	.1						1.9	6.6
WSW	.1	.9	.4		.1						1.5	6.7
W	.5	.8	1.1	.5		.3					3.2	8.9
WNW	.4	1.2	1.1	.8	.2	.1					3.9	8.7
NW	.1	1.0	1.8	2.9	.9	.4					7.1	12.2
NNW	.1	1.5	1.9	4.2	1.4	.6					9.8	12.6
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	3.7	/
TOTALS	4.2	21.0	26.9	29.5	10.2	4.4	.2				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 70-87  
MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	3.5	3.8	5.9	2.9	1.1						17.7	11.8
NE	.4	2.2	1.5	1.5	1.5	.3						5.9	8.4
ENE	.3	1.5	1.4	.5	.4	.1						4.3	8.6
E	.2	1.9	.5									2.7	5.6
ESE	.4	1.4	1.1									2.0	6.1
SE	.6	2.2	1.4	.3								4.5	6.3
SSE	.3	1.1	1.6	2.5	.6	.5						6.7	11.6
S	.2	1.5	3.2	4.6	1.2	1.0						11.7	12.3
SSW	.3	3.3	3.2	3.8	.6							11.5	9.5
SW	.1	.8	.8	.3	.1							2.0	8.1
WSW	.2	.9	.8									1.8	6.1
W	.1	1.8	1.6	.2		.2			.1			4.1	8.7
NNW	.3	1.2	1.0	.4	.1				.1			3.1	8.1
Nw	.4	1.3	1.1	2.9	.5	.9						7.0	12.2
UNW	.2	1.7	2.5	2.0	1.5	.5	.1					8.6	11.9
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	4.9	/
TOTALS	5.1	26.6	25.5	25.1	8.4	4.2	2	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56			
N	.4	2.4	4.2	5.1	3.1	1.7	.2	.7					16.7	12.8
NNE	.3	1.5	2.1	1.6	.3	.1							5.8	9.3
NE	.3	1.4	1.5	.7	.1	.0							4.0	8.2
ENE	.2	1.1	1.2	.4	.2	.0							7.1	8.3
E	.3	1.2	1.0	.4	.0								3.0	7.0
ESE	.3	1.5	1.6	.5	.1								3.9	7.3
SE	.2	.0	2.0	2.2	1.3	.0	.0						7.0	17.7
SSE	.1	1.1	2.2	3.8	2.1	1.1	.1						1.7	14.7
S	.4	2.4	3.9	3.5	.8	.7	.1						11.7	10.1
SSW	.1	.8	.9	.3	.1								2.2	7.8
SW	.2	.7	.5	.4	.0								1.4	7.5
WSW	.1	.7	.8	.4	.0								1.9	7.9
W	.2	1.2	1.4	.8	.1	.1							3.8	9.4
WNW	.3	.8	.9	1.0	.4	.1	.1						3.0	10.6
NW	.2	1.0	1.5	2.1	.7	.4							4.0	11.6
NNW	.2	1.6	2.6	3.5	1.8	1.2	.0	.1					11.7	13.1
TOTALS	3.8	20.3	28.0	26.6	11.3	5.0	.5	.1					100.0	12.6

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: MECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	.4	3.0	3.8	3.9	1.4	1.1				13.7	11.4
NNE		1.9	2.7	2.1	.1					6.8	9.0
NE	.8	1.4	1.9	1.1						5.2	7.4
ENE	.1	1.6	2.3	.4						4.4	7.5
E	.2	1.4	1.1	.2						3.7	6.3
ESE		2.8	2.7	.8						6.2	7.3
SE	.1	1.2	3.2	1.4	.6	.1				6.7	10.0
SSE	.2	1.8	3.9	3.1	.9	.9				10.8	11.4
S	.3	3.2	3.2	1.4	.2					8.4	8.0
SSW		1.2	2.0	.4						7.4	7.9
SW	.1	.9	.4							1.4	5.5
WSW	.2	.9	1.0							2.1	5.9
W	.6	1.6	.6	.8						3.4	7.3
WNW	.1	1.0	1.3	1.0	.2					3.7	8.9
NW	.2	1.4	1.9	1.6	.6	.4				6.1	10.9
NNW		1.4	3.2	2.7	.9	.2	.3			9.1	11.6
VARIABLE											
CALM										5.4	
TOTALS	3.4	26.9	35.2	21.0	4.9	2.8		.3		100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 7P-8T  
MONTH: APR HOURS(LST): 0700-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	.4	3.2	5.0	3.7	1.2	1.3	.1			15.0	11.1
NNE	.4	1.4	1.9	2.4	.2					6.4	9.5
NE	.1	1.6	.9	1.0						3.6	7.7
ENE	.1	1.1	2.4	.8	.1					4.6	8.3
E	.2	1.2	1.6	.9						3.9	8.1
EEF	.3	1.7	1.6	.9						4.4	7.4
SE	.1	1.1	2.3	2.9	.4	.1				7.0	10.6
SSE	.1	2.0	4.7	3.7	.8	.9				12.1	11.1
S	.6	3.9	3.0	1.3						8.8	7.1
SSW		1.1	.6	.2						1.9	6.6
SW	.2	1.1	.3	.1						1.2	6.3
WSW		1.2	.9	.2						2.3	7.3
W	.1	1.2	1.6	.6						3.4	8.0
WNW	.1	1.1	1.3	.6	.2	.1				3.4	8.8
NW	.3	1.2	2.6	1.6	.8		.1	.1		6.7	10.7
NNW	.4	2.9	2.6	1.9	1.3	.1		.1		9.7	10.1
VARIABLE											
CALM										5.3	
TOTALS	3.7	27.1	53.1	22.7	5.1	2.6	.2	.2		100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	2.6	3.6	4.0	2.1	1.2	.4				14.4	12.7
NNE	.2	.6	2.1	2.6	.2						5.7	10.6
NE	.1	1.1	1.4	1.7	.1						4.4	9.7
ENE	.4	.3	2.0	.7	.2						3.7	8.8
E	.3	1.0	1.6	1.2							4.1	8.6
ESE	.8	1.2	1.7	1.2							4.9	7.9
SE	.3	1.6	3.1	3.0	.4						8.4	10.2
SSE	.1	1.7	2.6	3.6	1.7	1.2	.1				10.9	13.1
S	4.3	3.2	1.6	.1							2.2	7.6
SSW	.8	.8	.6								2.1	8.2
SW	.9	.9	.9								2.6	5.3
WSW	.2	.2	.6	.4		.1					1.6	9.1
-	.2	1.0	1.6	.9	.2	.1					4.0	9.3
WNW	.2	.4	1.4	1.1		.1					2.3	9.4
NW	.3	1.3	2.8	1.1	.3	.1	.1	.1			6.2	10.3
NNW	.3	1.4	2.6	3.6	1.1	.1	.3				9.4	12.2
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	5.0	/
TOTALS	5.1	20.3	31.8	27.1	6.6	3.2	1.0	..			100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	1.4	2.3	4.3	3.4	1.7	.4				15.9	14.0
NNE	.1	.3	2.7	2.4	1.0						6.6	11.6
NE		1.1	2.1	1.7	.6						6.4	10.1
ENF		.8	1.3	1.2	.1						5.4	9.7
E	.1	.6	.7	1.8	.1						3.2	10.7
ESE	.1	.7	1.3	.6							2.7	8.4
SE	.2	.9	2.7	3.4	.7		.1				9.1	11.2
SSE		.8	2.1	3.7	2.0	1.6	.1				10.2	14.6
S	.3	1.6	3.4	4.3	1.9	.4	.1				12.1	12.0
SSW		1.0	.6	.9	.3	.1	.1				3.0	11.7
SW	.1	.6	.3	.1	.1						1.2	7.8
WSW	.2	.9	.4	.7							2.2	8.0
W	.6	.6	.6	1.3	.4	.3					4.0	11.4
NNW	.2	.8	.3	1.0	.7	.1	.2				3.3	12.8
NW		1.0	2.1	1.8	1.2	.6	.1	.1			6.9	13.6
NNW		1.1	2.2	3.9	1.8	.1	.7				9.8	13.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.9	/
TOTALS	2.8	14.0	25.4	35.1	14.3	4.4	1.9	.1			100.0	12.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.0	2.1	6.3	4.8	1.6	.7					16.4	15.5
NNE	.0	2.9	7.7	.3							7.8	17.8
NE	.1	2.3	2.4	.4							5.3	11.3
ENE	.1	.3	1.8	1.1	.1						3.4	5.7
E	.6	.8	1.3	1.1	.1	.1					4.0	8.9
FSE	.3	.7	.8								1.4	9.8
SE	.1	.8	1.4	3.9	.8	.1					7.1	17.7
SSE	.1	.2	.8	4.4	2.6	1.7					9.0	14.1
S	.1	.3	1.4	3.7	2.2	.6	.2				9.0	14.2
SSW	.3	.3	1.0	1.3	.7	.7	.1				9.1	17.6
SW	.1	.4	.3	.6	.3	.1					1.3	11.4
WSW	.3	.4	.4	.7	.4						2.7	10.5
W	.1	.4	1.2	1.0	.2	.6					3.6	12.5
WNW	.4	1.0	1.0	7.0	1.2	.2					4.9	17.6
W	.7	1.0	1.8	2.6	1.2	.9	.2	.1			8.0	17.4
NNW	.1	1.0	1.8	3.8	1.9	.7	.6	.1			9.0	14.5
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.8	/
TOTALS	2.2	9.3	22.3	39.3	17.3	6.7	1.8	.2			100.0	13.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	1.7	2.4	6.6	4.4	2.1	.2				17.6	14.7
NNE	.2	1.1	1.8	5.0	.7	.1					8.9	11.7
NE		.6	2.8	3.3							6.7	10.4
ENE		.7	1.6	1.8	.1						4.1	10.5
E	.2	.9	1.2	.7							3.0	7.6
ESE		.3	.9	.7							1.9	9.6
SE	.2	.2	2.9	3.1	1.0	.1					7.6	12.0
SSE	.1	.8	1.3	3.7	2.3	.9					9.0	14.4
S	.2	.9	2.6	2.0	2.3	.9					8.9	13.4
SSW	.3	.2	.8	1.0	.7	.1					3.1	12.2
SW	.2	.3	1.0	.6	.1						2.3	13.1
WSW	.1	.7	.8	.6							2.1	8.5
W		.7	.7	1.4	1.1	.2					4.1	13.6
NNW	.2	.4	1.6	1.4	.8	.2	.1				4.8	12.4
NW		.9	1.1	1.8	.9	.4	.1				5.2	12.9
NNW	.1	.6	1.3	4.0	1.9	1.7	.3	.1			9.7	15.5
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.1	/
TOTALS	1.9	10.9	24.0	38.0	16.8	6.4	.8	.1			100.0	12.7

TOTAL NUMBER OF OBSERVATIONS: 980

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	2.1	4.8	5.0	3.0	.8	.3	.1				16.8	12.5
NNE	.2	1.2	3.3	2.9	.2	.1						9.0	10.1
NE	.3	2.2	2.9	2.2	.1							7.8	8.6
ENE	.1	1.7	2.9	.9								5.6	7.7
E	.2	1.3	1.8	.9	.1							4.3	9.3
ESE	.1	1.2	1.3	.9								3.5	8.4
SE	.2	.9	2.9	3.9	.6	.2						8.7	11.1
SSE	.1	.9	2.0	3.7	1.7	.1						8.4	12.4
S	.4	1.9	3.4	2.0	.6							8.3	9.1
SSW	.2	.2	.8	.2	.2							1.7	9.1
SW	.3	.7	.1	.6	.2							1.9	8.7
WSW	.2	.6	.6	.2								1.6	7.1
W	.1	.8	.4	.9	.4	.1						2.9	11.2
WNW	.3	.7	1.0	1.0	.7							3.2	11.0
NW	.1	1.4	1.9	1.8	.7							5.9	10.2
NNW	.1	1.0	2.1	2.9	1.7	.9		.2				8.8	14.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.0	/
TOTALS	3.9	16.7	32.2	28.9	10.1	2.1	.3	.3				107.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 2100-2300

DIRECTION (DFGP;EST)	WIND SPEED IN KNOTS											TOTAL % WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	2.8	3.8	5.0	2.2	.4	.2					14.8 11.9
NNE	.4	.9	3.2	1.7								6.2 8.6
NE	.4	1.8	2.3	.7								5.2 7.3
ENE	1.0	2.4	1.4	1.3								6.2 7.3
E	.3	2.4	2.3	1.0								6.1 7.1
ESE	.4	2.1	1.1	.6								4.2 6.8
SE	.2	2.4	2.6	2.8	.6	.3						5.9 10.3
SSE	.4	2.1	2.4	4.6	.8	.3						10.7 10.8
S	.3	1.9	2.4	2.4	1.0							8.1 9.9
SSW	.3	.7	1.0	.2	.1							2.3 7.4
SW	.1	.6	.6									1.2 6.1
WSW	.1	.6										.7 5.0
W	.1	1.1	1.0	.8	.4							3.4 9.6
WNW	.1	.6	1.4	1.0	.2							2.3 9.9
NW	.2	1.4	1.2	1.1	.2							4.2 8.6
NNW	.6	1.9	2.9	2.6	.7	.4						9.3 11.5
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	/	5.0 //
TOTALS	5.6	25.7	29.8	25.7	6.2	1.5	.2	.3				100.0 9.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	2.2	3.5	5.1	2.8	1.2	.3	.0				15.6	13.1
NNNE	.2	1.0	2.6	3.8	.3	.0						7.0	10.3
NE	.2	1.2	2.1	1.8	.2							5.5	9.1
ENE	.2	1.1	2.0	1.0	.1							4.4	8.5
E	.3	1.2	1.4	1.0	.0	.0						4.7	8.2
ESE	.2	1.3	1.4	.8								3.7	7.9
SE	.2	1.1	2.6	3.1	.6	.1	.0					7.9	10.9
SSE	.2	1.3	2.5	3.8	1.6	.9	.0					10.2	12.9
S	.3	2.3	2.8	2.3	1.0	.2	.0					9.1	10.3
SSW	.2	.7	.9	.6	.2	.1	.0					2.7	9.9
SW	.2	.7	.4	.3	.2	.0						1.8	6.3
WSW	.2	.7	.6	.3	.1	.0						1.8	7.4
W	.2	.9	1.0	1.0	.4	.2						3.6	10.4
WNW	.2	.6	1.2	1.1	.5	.1	.0					3.7	11.0
NW	.2	1.2	1.9	1.7	.7	.3	.1	.1				6.2	11.5
NNW	.2	1.4	2.3	3.2	1.4	.6	.2	.2				9.4	12.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	3.4	/
TOTALS	3.6	19.1	29.2	29.8	10.2	3.7	.8	.2				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 75-87  
MONTH: MAY HOURS(LST): 0000-0200

DIRECTION (DFGR ESE)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.9	2.9	1.7	3.0	1.4	.1					10.0	10.1
NNE	.2	1.3	1.7	.8	.1						4.1	8.1
NE	.4	1.4	1.0	1.1	.1						4.0	8.0
ENE	.6	2.0	1.5	.6							4.8	6.9
E	.5	3.7	2.8	1.0							7.6	7.1
ESE	.8	1.8	1.6	.5							4.7	6.7
SE	.2	3.0	3.9	2.7	.4	.2					10.4	9.5
SSE	.5	1.7	3.5	3.2	1.2	.5					10.8	11.0
S	.3	3.9	4.7	3.8		.1					12.8	8.8
SSW	.1	.9	.8	.2							1.9	6.9
S*	.5	1.7	.5	.2	.1	.2					3.3	7.1
WSW	.9	1.3		.1							2.3	7.5
W	.2	1.7	1.3	.1							2.9	6.7
NNW	.3	.9	.6	.5							2.4	7.6
NW	.2	1.6	1.3	1.0	.2						4.2	8.3
NNW	.2	1.6	1.9	2.4	1.3						7.1	10.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.7	/
TOTALS	6.1	30.1	30.2	21.1	4.6	1.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: MAY HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN MINU
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-46	41-47	48-55		
N	.4	2.7	2.2	3.5	.8	.2	.1				0.9	10.4
NNE	1.1	1.4	1.5	.5	.2						4.7	7.5
NE	.5	.8	.6	1.1							3.0	7.8
ENE	.4	1.9	1.7	.4							4.5	6.8
E	.8	2.2	1.6	.9							5.4	6.9
ESE	1.2	2.8	1.4	.6	.1						6.1	6.4
SE	.1	1.4	3.5	1.7	.8						7.5	9.8
SSE	.2	2.7	3.9	4.7	1.3	.5					13.3	11.0
S	.2	5.3	4.7	1.9	.3						12.5	7.8
SSW	.2	1.8	1.1	.3							3.4	6.5
SW	.2	1.0	.5	.1	.1						1.9	6.5
WSW	.?	.8		.1	.1						1.3	10.0
W	.3	1.2	.9	.5	.1						3.0	7.8
WNW	.2	1.1	.8	.4							2.5	7.2
NW	.3	1.4	1.5	.9							4.2	8.1
NNW	.5	1.8	1.9	2.6	1.3	.3					8.5	10.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	8.2	/
TOTALS	6.8	29.7	28.6	22.3	5.1	1.3	.1				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.4	3.1	4.2	1.2	.2						11.1	11.1
NNE	.1	.6	2.4	1.1	.2						4.4	9.5
NE	.2	1.5	1.5	1.0							4.2	7.9
ENE	.3	1.8	1.1	.3							3.5	6.8
E	.8	1.5	1.0	1.1							4.3	7.1
ESE	.1	1.2	1.8	1.0							4.1	8.5
SE	.2	2.7	4.3	2.5	.2	.1					9.4	9.2
SSE	.3	2.0	2.8	4.9	1.3	.5					12.0	11.6
S	.2	3.4	5.9	4.0	.4	.1					14.1	9.4
SSW	.6	.4	1.3	.3							7.9	6.7
SW	.2	.9	.4	1.0	.1						2.6	6.8
WSW	.1	.5	.5	.4	.1						1.7	9.5
W	.3	1.0	1.0	.8	.1	.1					3.2	9.7
NNW	.2	.6	.8	1.6	.5						2.8	10.9
NW	.1	.9	1.1	1.1	.2						3.3	9.4
NNW	.3	1.6	2.4	2.5	1.7	.1					9.6	11.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.9	/
TOTALS	4.2	22.6	31.3	27.6	5.9	1.9					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MA HOURS/LST: 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	1.7	2.7	4.9	1.9	.4					11.9	12.2
NNE	.1	1.0	2.7	2.0	.1	.1					6.0	10.1
NE		.9	1.4	1.1							2.3	9.9
ENE	.2	.9	1.5	1.1	.1						3.8	8.5
E	.3	1.0	1.6	.8							3.7	7.7
ESE		.8	1.8	1.4							4.0	9.3
SE	.1	1.2	2.8	2.6	.4			.1			7.2	10.5
SSE	.4	1.0	3.1	5.7	2.6	.8	.1				13.7	13.3
S	.2	1.8	2.3	5.2	3.0	.5					13.0	12.8
SSW	.1	1.2	1.4	1.2	.8						4.6	10.6
SW	.2	1.3	.3	.4	.1	.2					2.7	9.5
WSW	.5	1.2	.6	1.1	.1						3.5	8.1
W		1.3	.9	1.0	.4	.2					3.8	10.4
WNW		1.0	.9	2.3	.4						4.5	11.2
NW	.3	.2	1.8	1.7	.6	.2					4.9	11.6
NNW	.1	.9	1.6	2.9	1.6	.3					7.4	12.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.9	/
TOTALS	2.9	17.1	27.4	35.3	12.3	2.9	.2				109.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 7P-87  
MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	1.3	3.3	2.9	2.4	.9					10.9	12.8
NNE		.8	1.4	3.1	.4						5.7	11.2
NE	.3	1.6	1.6	1.5	.5	.2					5.4	9.9
ENE	.4	1.1	1.3	1.4	.1						4.3	8.5
E	.2	1.4	2.0	1.5	.1						5.3	8.6
ESE	.2	1.0	2.3	1.3							4.7	9.8
SE	.1	.8	1.8	2.8	.6		.2				6.3	11.9
SSE	1.4	1.9	3.0	2.2	.9	.1					9.6	12.4
S	.1	1.4	2.6	4.4	4.1	1.2	.3				14.1	14.5
SSW	.3	.5	1.1	1.1	.4	.2	.1				3.9	11.5
SW	.4	.5	1.3	1.5	.3						4.1	9.7
WSW	.6	.4	.4	.4	.5	.2					2.3	11.9
W	.3	.4	.9	1.1	.4						3.1	10.4
NNW	1.0	.9	1.2	1.3	.3	.1					4.7	13.5
NW	1.1	1.5	2.5	1.0	.7						6.3	12.3
NNW	.1	.8	2.5	2.7	1.3	.9					8.1	12.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.0	/
TOTALS	2.7	15.7	26.8	32.4	15.7	4.9	.9				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	1.0	2.9	6.2	1.8	1.0					13.1	12.3
NNE		1.1	1.7	2.3	.4	.1					5.6	11.7
NE	.1	1.0	2.4	1.0	.2						4.6	9.1
LNE		1.2	2.4	1.3							4.8	8.9
E	1.3	2.5	1.0								4.7	8.4
FSE		1.5	2.6	1.4	.1						5.6	8.6
SE	1.2	1.8	1.8	.5	.1	.1					4.6	11.1
SSE	.1	1.4	1.0	4.2	2.3	.7	.2				9.4	13.8
S	.3	1.4	1.9	3.8	3.1	1.4	.1				12.7	14.1
SSW	.1	1.0	.9	1.7	.6	.1	.2				4.6	12.4
SW	1.0	1.1	1.2	.2							7.4	9.6
WSW	.6	.3	1.3	.6	.7						3.0	12.9
-	.0	1.1	1.3	.3		.1					3.5	10.7
NNW	.7	1.1	2.4	.6	.4						4.7	17.7
NW	.1	.5	1.7	2.3	1.3	.1	.1	.1			6.2	13.4
GNW	.3	.6	1.5	2.4	1.4	.9					7.1	13.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.7	/
TOTALS	1.3	16.6	26.8	37.4	13.7	4.6	.9	.1			107.0	11.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: MAY HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	4.5	4.9	2.4	.5							13.9	12.3
NNE	.3	.8	1.3	1.5	.5	.1						4.5	10.6
NE	.4	2.5	3.9	1.5								9.3	8.0
ENE	.2	1.7	2.9	.4								4.3	7.5
E	.4	3.2	3.1	.9								7.7	6.9
ESE	.4	2.5	2.3	.8								4.9	7.0
SE	.2	1.7	2.5	1.7	.4	.7	.1					6.9	10.1
SSE	.1	1.1	2.6	3.9	1.5	.3	.1					9.6	12.3
S	.3	1.8	2.5	3.8	1.9	.2						10.0	12.2
SSW	.2	.6	1.3	.8								2.2	6.8
SW	.3	.6	.8	.4	.3	.1						2.4	10.6
WSW	.2	.7	.5	.6	.1							1.9	9.9
W	.1	.8	.9	.8	.1	.1						2.7	9.5
WNW	.1	.7	.5	1.5	.6							3.7	12.3
NW	.1	1.7	2.0	2.4	.8	.1						6.6	11.1
NNW	.8	2.0	1.4	.9	.6							5.6	11.9
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.8	/
TOTALS	3.3	26.0	33.7	27.2	9.6	2.7	.7					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 947

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND PERIOD OF RECORD: 72-87  
MONTH: MAY HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.3	2.6	3.1	4.0	1.1	.5			11.7	11.0
NNE	.1	2.8	1.3	.8	.4				4.2	7.7
NE	.3	1.2	1.6	1.1					4.2	8.1
ENE	.5	4.2	2.4	.6					7.8	6.6
E	.6	4.2	2.0	.6					7.8	6.7
ESE	1.0	3.1	1.6	.9	.1				6.7	6.9
SE	.1	2.7	4.3	1.7	.3	.3			4.5	9.2
SSE	.1	1.8	2.5	4.0	1.1	.7			2.7	11.2
S	.4	2.8	3.8	3.3					10.5	9.0
SSW	.1	.5	1.1	.2					2.0	8.3
SW	.1	1.3	.6		.1	.1			2.3	7.7
WSW	.2	.9	.9	.1					2.0	6.5
W		1.0	.6	.3					1.9	7.6
NNW	.2	.7	1.5	.7					2.3	8.0
NW	.4	2.2	1.1	1.5	.3				5.6	8.9
NNW	.1	1.4	1.7	1.6	.4	.1			5.5	10.0
VARIABLE										
CALM	/	/	/	/	/	/	/	/	5.6	/
TOTALS	4.7	23.1	30.2	25.8	3.9	1.5	.1		100.0	8.2

TOTAL NUMBER OF OBSERVATIONS: 227

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											PERIOD OF RECORD: MONTH: MAY HOURS/STATION: ALL	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-56		
N	.3	.0	2.6	4.2	1.6	.5	.0					11.6	11.7
NNE	.2	1.2	1.7	1.5	.3	.1						5.0	9.6
NE	.3	1.2	1.7	1.2	.1	.0						4.7	8.5
ENE	.3	1.2	1.8	.8	.0							4.0	7.5
E	.5	2.3	2.1	1.0	.0							5.6	7.3
ESE	.5	1.0	1.9	1.0	.0							5.2	7.6
SE	.1	1.7	3.1	2.2	.5	.1	.1					7.9	10.0
SSE	.2	1.7	2.7	4.2	1.7	.5	.1					11.0	12.2
S	.3	2.7	3.6	7.8	1.6	.5	.1					12.4	11.1
SSW	.2	.9	1.1	.7	.2	.1	.0					3.3	9.5
SW	.2	1.0	.7	.6	.2	.1						2.8	8.8
WSW	.1	.7	.7	.6	.2	.1						2.2	9.6
W	.2	1.0	.9	.7	.2	.1	.0					3.0	9.2
WNW	.1	.7	.9	1.3	.4	.1	.0					3.5	11.2
NW	.2	1.1	1.5	1.7	.6	.1	.0					5.2	10.7
NNW	.2	1.2	2.0	4.3	1.2	.4						7.0	11.7
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	4.3	/
TOTALS	4.0	23.1	29.4	27.6	8.8	2.4	.3	.0				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 7434

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS/LIST: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	2.3	2.1	2.0	.4						7.6	8.7
NNE	.3	1.1	1.3	.7	.1						3.6	7.6
NE	.1	1.0	.7	.3							2.1	7.1
ENE	.3	1.9	.9	.1							3.2	5.9
E		2.2	1.8	.2							4.2	6.5
ESE	.2	3.2	1.9	.6							6.9	6.5
SE		2.4	1.7	3.1	.4	.2					7.9	10.2
SSE	.9	1.8	3.6	2.2	1.2						12.9	10.9
S	.9	5.6	5.3	1.8		.2					13.7	7.7
SSW	.2	2.2	1.1	.3							3.9	6.2
SW	.4	1.9	1.6	.4							4.3	6.4
WSW	.2	1.4	1.3	.4	.1						3.6	7.5
W		1.3	1.9	.2		.1					3.6	7.9
WNW	.3	1.8	1.6	1.2							4.9	7.9
NW	.2	1.6	2.6	.9	.3						5.6	8.6
NNW	.2	.6	2.3	1.4	.1						5.0	9.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	8.2	/
TOTALS	5.0	32.7	31.8	19.0	2.8	.6					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 912

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0700-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	2.2	2.3	1.6	.3						6.2	6.8
NNE	.3	1.6	1.1	.6							2.6	7.4
NE	.2	1.3	.6	.4							2.7	6.4
ENE	.4	.6	.2	.2							1.7	5.9
E	.6	2.0	1.4	.6							4.6	6.8
ESE	.6	2.8	1.3	.7	.1						5.4	6.7
SE	.8	1.9	2.3	2.6	.3						7.9	9.1
SSE	.2	2.4	4.3	5.6	1.6						14.1	10.7
S	1.0	3.8	5.3	1.7							11.8	7.3
SSW	.4	1.7	.9	.4							3.4	6.5
SW	.9	1.6	1.7	.2							4.3	6.7
WSW	.4	1.3	.3	.6							2.9	7.1
W	.2	2.3	1.9	.3	.2						5.3	7.0
WNW	.3	2.1	2.1	.8	.6	.1					6.0	8.8
NW	.4	1.4	2.0	1.4							5.3	8.2
NNW	.6	1.9	2.0	1.2							5.7	7.6
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	8.9	/
TOTALS	7.9	31.1	29.9	19.0	3.1	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 LSAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
 MONTH: JUN      HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	2.2	3.7	2.2	.8							9.1	9.4
NNF	.1	1.1	1.9	1.2								4.3	8.9
NE	.7	1.1	1.1	.4								3.3	6.7
ENE	.4	1.1	1.0	.3								2.9	6.7
E	.4	1.8	1.1	.1								3.6	6.8
ESE	.2	1.4	1.2	.7	.1							3.7	8.0
SE	.1	2.0	3.7	2.3	.2							8.3	9.4
SSE	.3	1.3	3.9	5.3	.9	.3						12.1	11.3
S	.6	2.2	4.8	3.4	.2	.1						11.3	9.4
SSW	.1	1.1	1.8	.7								3.7	4.1
SW	.1	.9	1.8	.3								3.1	6.0
WSW	.3	.8	2.1	.8								4.0	9.1
W	.8	1.9	2.0	1.3	.3							6.3	8.1
WNW	.1	.9	2.2	1.7	.3	.1						5.3	10.2
NW	.2	.8	1.8	2.6	.3							5.7	10.6
NNW	.7	2.2	3.0	1.9	.2							7.6	8.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/		5.7	/
TOTALS	5.0	22.9	37.0	25.3	3.4	.7						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	1.1	2.7	4.8	.6						9.4	10.7
NNE		1.0	1.8	1.1	.3						4.2	9.7
NE		1.8	2.1	1.6							5.4	8.6
ENE	.2	1.1	1.6	.6							3.4	7.5
E	.1	.7	1.3		.2						2.3	6.2
ESE	.1	.7	1.3	.9	.1	.1					3.2	9.7
SE	.1	.9	2.2	2.6	.3	.3					6.3	10.9
SSE	.1	1.0	3.1	5.7	1.8	.7					12.3	12.7
S	.4	1.1	4.0	5.2	1.7	.1	.1				12.7	11.5
SSW	.3	.9	.9	1.4	.3	.1					4.0	10.3
SW	.1	.7	1.1	1.0							2.9	9.0
WSW	.1	.6	1.2	1.2	.3	.1					3.6	10.6
W	.1	1.1	2.3	2.1	.7	.2					6.6	10.7
WNW	.1	.4	1.1	2.7	.7	.1					5.1	12.4
NW	.2	.7	2.7	3.8	.9	.2					9.4	12.1
NNW	.8	2.9	3.9	.9	.1						8.6	11.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.4	/
TOTALS	2.4	14.3	32.3	38.4	8.8	2.1	.1				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	2.0	2.6	3.8	.9							9.2	11.0
NNE	.1	1.3	2.2	1.0	.2						4.9	8.9
NE		.4	1.8	1.0	.1						3.3	9.6
ENE	.2	.6	1.0	.9							2.7	8.8
E	.1	.7	1.8	.7							3.2	8.3
ESE	.1	.8	2.1	.6							3.6	8.0
SE	.1	1.3	2.1	2.4	1.0	.2					7.2	11.4
SSE		.2	2.0	4.3	2.6	.7					9.8	14.4
S	.1	1.2	3.7	4.3	2.9	.1					12.3	12.3
SSW		.4	1.4	.7	.1	.1					2.8	10.5
SW	1.1	1.1	1.3	.2							7.8	9.6
WSW		.4	2.0	.7	.2						3.3	9.5
W	.2	1.1	2.1	1.9	1.3	.3	.1				7.1	12.5
WNW		.1	.4	1.1	3.8	1.0	.3				6.8	13.1
NW		.9	1.9	4.0	2.9	.3					9.9	13.5
NNW	.2	.7	2.6	4.8	1.3	.2					9.8	12.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.3	/
TOTALS	1.3	13.7	31.4	36.1	14.7	2.3	.1				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	1.3	3.1	5.1	1.0						10.7	11.1
NNE	.2	.4	1.3	2.0							4.0	9.8
NE	.1	1.2	1.1	1.4	.2						4.1	9.3
LNE		.8	.9	.1							1.8	6.9
E	.1	1.3	1.4	.6	.1						3.8	8.5
ESE	.1	1.2	1.0	.3							2.7	7.5
SE	.1	.9	2.6	2.3	.2						6.1	10.1
SSE	.1	.8	2.2	5.2	1.3	.7					10.3	13.1
S		.7	2.9	4.1	2.7	.3					10.7	13.5
SSW		.3	1.0	1.1	.3	.1					2.9	12.0
SW	.1	.9	1.7	1.7	.1						4.4	9.6
WSW		.4	1.6	1.1							3.1	10.1
*	.2	1.0	1.3	2.7	.4	.1					5.8	11.1
WNW	.1	.9	1.7	3.1	1.9	.3					7.9	13.2
NW	.2	.8	2.4	5.0	2.2	.6					11.2	13.4
NNW		.7	3.8	4.4	.8	.3					10.0	12.1
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	.6	/
TOTALS	1.6	13.6	30.0	40.6	11.3	2.4					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1900-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	2.0	4.1	4.1	.8	.5					11.4	12.6
NNE	.3	1.6	2.1	1.0	.2						5.2	8.3
NE	.1	2.8	2.2	.7	.1						5.9	7.0
ENE	.4	.8	.8	.2							2.2	6.3
E		2.1	2.0	1.0							5.1	7.7
ESE	.1	1.0	2.7	.4							4.2	7.6
SE	.1	1.1	3.0	3.6	.1						7.9	10.1
SSE	.2	.7	3.0	4.2	.7	.2					9.0	11.6
S	1.7	2.9	3.0	.7	.7	.7					8.4	10.7
SSW	.2	1.0	1.3	.6							3.1	7.5
SW	.2	1.3	1.0	.6	.2						3.3	8.3
WSW	.3	.9	.9	1.1							3.2	8.2
W	.2	1.7	1.2	1.0	.2	.2					4.6	9.0
WNW	.2	1.4	1.7	1.4	1.1	.2	.1				6.2	11.3
NW		1.6	3.2	3.7	1.1	.1					9.7	10.9
NNW		1.6	3.8	2.9	.3						9.6	9.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.9	/
TOTALS	2.7	23.1	35.9	29.4	5.6	1.3	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	3.7	2.6	2.3	.2						9.9	8.4
NNE	.2	2.8	1.2	.4							4.7	6.5
NE	.3	2.6	1.2	.4							4.6	6.4
ENE	.3	2.9	.6	.1	.1						4.0	5.9
E	.7	2.7	1.3	.3							5.0	6.1
ESE	3.0	1.9	.6								5.4	6.8
SE	.3	2.1	4.3	4.2	.2						11.2	9.6
SSE	.3	1.8	3.7	2.9	.7						9.3	9.9
S	.7	3.0	3.3	2.0	.1						9.1	8.0
SSW		2.2	1.3								3.6	6.3
SW	.1	2.9	.8	.1							3.9	5.6
WSW	.2	2.3	.9	.2							3.7	5.9
W	.8	2.2	1.3	.8	.1						5.2	7.0
WNW	.4	1.9	.7	.4							3.4	6.5
NW	.3	1.8	2.1	1.2	.4	.4					6.3	9.7
NNW	.1	1.7	1.1	1.7	.3						4.9	9.5
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.8	/
TOTALS	5.0	39.4	28.3	17.8	2.2	.4					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	2.1	2.9	3.2	.6	.7					0.1	9.9
NNE	.2	1.4	1.6	1.0	.1						4.3	8.4
NE	.2	1.5	1.3	.8	.1						3.9	7.7
ENE	.3	1.2	.9	.3	.0						2.7	6.7
E	.2	1.7	1.5	.5	.0	.0					4.0	7.2
FSE	.2	1.8	1.7	.6	.0	.0					4.3	7.4
SE	.2	1.6	2.7	2.9	.4	.1					7.9	10.0
SSE	.3	1.2	3.2	4.8	1.3	.3					11.2	11.8
S	.4	2.4	4.0	3.2	1.0	.1	.0				11.2	10.0
SSW	.2	1.2	1.2	.7	.1	.0					3.4	8.3
SW	.2	1.4	1.3	.7	.1						3.9	7.8
WSW	.2	1.0	1.3	.8	.1	.0					3.4	8.4
W	.3	1.6	1.8	1.3	.4	.1	.0				6.5	9.4
NNW	.2	1.2	1.5	1.9	.7	.2	.0				6.7	10.8
NW	.2	1.2	2.3	2.8	1.0	.2					7.8	11.3
NNW	.2	1.3	2.7	2.8	.5	.1					7.5	10.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	4.2	////
TOTALS	3.9	23.0	32.1	28.2	6.5	1.2	.6				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	2.7	2.0	1.2							6.6	7.3
NNE	.5	.9	1.1	.1							2.6	6.1
NE	.2	1.1	1.0	.2							2.5	7.3
ENE	.5	1.9	.6	.1							3.2	5.4
E	.2	2.0	1.6	.3							4.2	6.7
ESE	.4	1.5	1.8	.2							4.0	6.7
SE	.1	1.7	3.1	3.9	.1						8.9	9.7
SSE	.6	2.7	5.5	7.0	.4						16.2	10.1
S	.9	5.1	6.0	2.8	.3						15.1	7.8
SSW	.3	2.3	.9								3.4	5.2
SW	.1	1.9	.5								2.6	5.0
WSW	.2	2.2	1.2								3.5	5.8
W	.3	2.0	1.0	.3							3.8	7.6
WNW	.4	1.5	1.3	1.2	.2	.1	.1				4.8	9.2
NW	.6	2.2	2.2	.2							5.2	6.3
NNW	.5	2.3	1.4	.5	.2						4.9	7.2
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	8.5	/
TOTALS	6.8	33.9	31.2	19.1	1.3	.1	.1	.1	.1	.1	100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.9	2.9	2.6	1.0	.1						7.3	7.0
NE	.3	1.3	1.0	.2							2.8	6.7
NE	.5	1.1	.5								2.2	5.0
E	.8	.9	.5	.1							2.3	5.4
E	.3	1.7	.4	.5							3.0	6.5
ESE	.6	1.5	1.7	.4							4.3	6.7
SE	.2	1.5	1.9	3.4	.1						7.2	10.0
SSE	.9	3.9	5.7	8.7	.5	.2					19.4	10.1
S	.6	6.1	4.9	1.6	.3						13.7	7.2
SSW	.6	1.0	.9								3.3	5.2
SW	.3	2.2	1.0								3.4	5.6
WSW	.2	1.5	.4								2.2	5.5
W	.3	1.3	1.4	.3	.1						3.4	7.1
WNW	.1	2.7	1.5	.4	.2						4.9	7.0
NW	.5	2.4	1.1		.3						4.3	6.4
NNW	1.1	3.0	1.9	.9							6.9	6.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	8.9	/
TOTALS	8.3	35.7	27.5	17.6	1.7	.2					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-58		
N	1.5	3.2	4.1	1.5			.1					10.4	7.4
NNE	.6	1.5	.9	.5								1.5	6.9
NE	.3	1.4	.5	.2								2.6	6.2
ENE	.2	1.1	1.1	.3								2.7	7.2
E		1.4	.8	.4								2.6	6.9
EE		2.3	1.8	.3								4.7	6.7
SE	.2	1.2	2.0	2.6	.2							4.2	8.9
SSE	.2	2.0	5.7	8.6	.5	.2						17.3	11.7
S	.6	5.1	6.6	3.4	.1							15.4	8.1
SSW	.4	1.4	.8	.3								2.9	6.4
SW	.9	1.1	.1	.1								2.2	8.0
WSW	.3	.7	.2	.6	.1							1.6	8.2
W	.4	1.1	.6	.5								2.9	6.9
WNW	.4	1.4	1.3	1.0	.1							4.3	7.8
NW	.5	2.7	2.4	1.7	.4							7.7	8.4
NNW	.1	3.1	2.6	1.3	.2							7.2	7.9
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	5.4	/
TOTALS	6.5	30.2	32.4	23.5	1.7	.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FOLKLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	2.4	4.5	2.9								12.2	8.9
NNE	.2	1.1	2.7	.5	.1							4.6	8.3
NE	.2	1.1	1.7	.1	.1							3.2	7.1
LNE	.1	1.4	1.4	.3								2.2	6.9
E	.1	1.5	1.9	.4	.1							4.1	7.8
LE	.2	1.3	1.1	.5								7.1	7.2
SE	.3	.9	2.3	2.3								5.7	9.5
SSE	.1	1.2	3.1	6.9	1.7	.3	.1					13.5	12.3
S	.3	2.2	5.9	6.6	1.3	.2						16.6	10.9
SSW	.3	1.0	1.6	1.1								4.2	8.2
SW	.3	.4	1.6	.5								2.9	9.1
WSW	.3	.5	1.3	1.1	.2							3.4	9.6
W	.4	2.2	1.6	1.5	.1							5.8	8.0
WNW		.5	1.6	1.0								3.1	9.7
NW	.4	1.6	1.9	2.0	.5							6.6	9.6
NNW	.7	1.6	2.6	2.8	1.5							8.8	10.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	1.1	//////
TOTALS	4.2	21.0	36.9	31.5	5.7	.5	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM FORTNIGHTLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.5	1.7	3.7	7.2	7.2						6.4	9.4
NNE	.2	1.3	2.0	.5	.1						4.2	7.9
NE	.4	1.6	1.7								5.7	6.0
CNE	.2	1.7	1.3	.2							3.4	6.5
E	.1	1.8	1.9	.4							4.3	7.0
FSE	.3	.8	2.2	.9							4.1	8.2
SE	.1	.5	2.3	2.0	.5						5.5	11.0
SEF	.3	1.1	2.7	6.2	2.0	.3	.1				12.8	12.7
S	.1	1.7	3.7	6.2	1.7	.7					13.8	11.9
SSW	.1	.4	1.3	1.6	.3						3.8	10.7
SW	.1	.6	1.6	1.0	.4						3.8	10.3
WSW	.5	1.2	.2								1.9	7.9
W	.2	1.9	2.0	2.2	.8						7.2	10.6
NNW		1.2	2.5	1.3	.3						5.3	9.9
NW		1.0	2.0	3.2	.9						7.1	11.5
NNW		1.3	4.4	2.8	1.3						9.8	10.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	.1	
TOTALS	2.8	19.1	36.5	32.0	8.6	.6	.1	.1			100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD 77-86

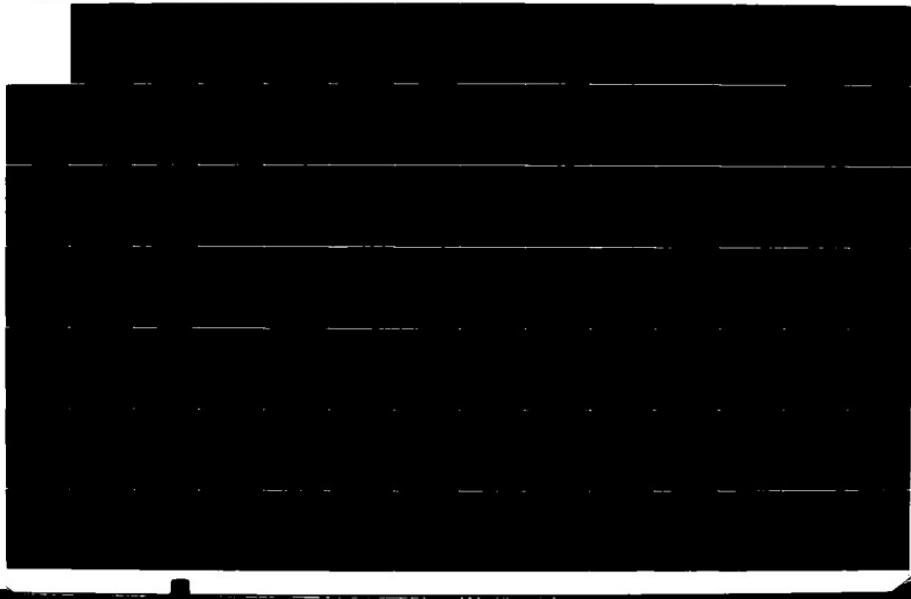
MONTH: JUL HOURS(LST): 1500-1700

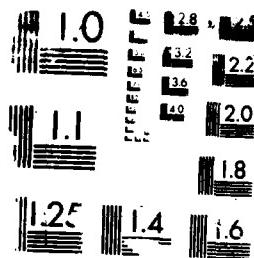
WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	2.4	3.6	4.9	.5							12.0	10.0
NNE	.2	1.6	2.2	.5								4.5	7.5
NE	.3	1.6	1.5	.4								2.9	7.0
ENE	.3	2.0	1.2	.2								3.6	6.4
E	.1	1.6	1.3	.2								3.1	6.9
ESE	.7	.5	2.5	.6								4.0	8.2
SE	.2	.9	2.0	3.0	.8							6.9	11.0
SSE	.3	1.0	2.0	4.3	2.9	.6						11.2	17.4
S	.3	1.0	3.3	6.3	1.1	.4						12.5	11.5
SSW	.1	.3	1.4	1.3	.4	.1						1.7	11.1
SW	.1	1.2	1.5	1.1								1.1	6.1
WSW	.3	.8	1.2	.6	.2	.1						1.5	5.5
W	.1	1.2	1.8	1.9	.8	.1						1.5	5.5
WNW	.1	1.1	1.4	2.6	.3							1.1	5.5
NW	.1	1.0	2.8	2.9	.6	.2						1.0	5.5
NNW		1.3	2.2	3.4	.5								
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/		
TOTALS	3.1	19.6	32.0	34.4	8.2	1.6							

TOTAL NUMBER OF OBSERVATIONS: 930

AD-A188 320      HECTOR FIELD FARGO NORTH DAKOTA REVISED UNIFORM SUMMARY 2/4  
UNCLASSIFIED      OF SURFACE WEATHER (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87  
USAFETAC/DS-87/081      F/G 4/2      ML





MICROFILM RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	3.1	4.1	2.6	.3						10.8	8.3
NNE	.5	3.8	1.6	.6	.2						6.8	6.8
NE	.3	3.4	1.7	.3	.1						5.9	6.4
ENE	.5	2.9	1.7	.2							5.4	6.3
E	.2	1.3	2.8	.2	.1						4.6	7.5
ESE	.4	1.0	2.2	.5							4.1	7.3
SE	.6	3.9	3.0	.2							7.7	10.2
SSE	1.7	3.3	5.2	1.6	.1						11.9	11.8
S	1.8	5.1	3.9	.5							11.3	10.1
SSW	.1	1.0	1.4	.6	.1						3.2	8.2
SW	.1	1.6	.9	.6	.1						3.3	7.7
WSW	.4	.9	.4	.4							2.2	6.7
W	.1	1.3	1.3	.6	.5	.1					4.0	9.4
NNW	.2	1.7	1.3	1.2	.2						4.6	8.7
NW	.2	1.8	2.4	2.2	.1	.1					6.8	9.3
NNW	.8	2.8	1.5	.2	.1						5.4	9.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	2.0	/
TOTALS	3.9	28.7	36.8	23.8	4.4	.4					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 2100-2300

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	2.8	3.3	2.3	.1	.0					9.3	8.3
NNE	.4	1.8	1.5	.5	.1	.0					4.2	7.1
NE	.3	1.6	1.2	.2	.0						3.3	6.5
ENE	.4	1.7	1.2	.2							3.6	6.4
E	.2	1.8	1.6	.4	.0						4.0	6.9
ESE	.4	1.5	1.9	.5	.0						4.3	7.1
SE	.2	1.3	2.6	2.8	.3						7.2	9.8
SSE	.3	1.9	4.0	6.7	1.3	.2	.0				14.4	11.4
S	.5	3.4	5.1	4.3	.7	.1					14.0	9.5
SSW	.3	1.2	1.1	.6	.1	.0					3.4	7.8
SW	.2	1.3	1.2	.4	.1						3.1	7.6
WSW	.2	1.0	.8	.4	.1	.0					2.5	7.5
W	.3	1.7	1.3	1.0	.3	.0					4.7	8.8
WNW	.2	1.5	1.4	1.2	.2	.0	.0				4.5	8.9
NN	.3	1.8	2.1	1.5	.4	.0					6.2	9.0
NNW	.3	1.9	2.5	1.8	.5	.0					6.9	9.2
VARIABLE												
CALM	//////										4.2	////
TOTALS	5.4	28.1	32.8	24.8	4.1	.5	.0	.0	.0		100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	.2	3.1	2.6	1.5						7.4	7.5
NNE	.4	1.6	.5	.1	.1					2.8	6.0
NE	.1	1.2	.4	.1	.1					1.9	6.8
ENE	.3	2.7	.4							3.4	5.0
E	.6	3.3	.6	.4						5.1	5.9
ESE	.5	2.7	1.2	.6						5.1	6.4
SE	.4	.9	2.6	2.0	.1					6.1	9.8
SSE	.4	2.2	6.7	7.3	1.2					17.7	10.5
S	.6	5.9	5.3	3.2	.2					15.3	7.9
SSW	.1	1.5	.3	.5	.1					2.6	7.4
SW	.2	1.3	.6							2.2	5.8
WSW	.5	.8	.8	.1	.2	.1				2.5	8.5
W	.3	1.8	1.6	.2		.1				4.1	6.9
NNW	1.1	1.0	1.1	1.0						4.1	6.9
NW	.3	3.1	1.2	.4		.1				5.2	6.6
NNW	.3	2.5	1.7	.9	.1					5.5	7.5
VARIABLE											
CALM	/	/	/	/	/	/	/	/	/	9.1	/
TOTALS	6.7	35.5	27.6	18.5	2.2	.3	.1			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	3.7	2.4	1.3	.3							8.5	7.5
NNE	.5	1.6	.8									2.9	5.7
NE	.6	1.1	.4	.1								2.3	5.1
ENE	.9	2.2	.5									3.5	4.8
E	.2	2.2	.6	.1								3.1	5.4
ESE	.4	2.4	1.7	.3								4.8	6.8
SE	.4	1.9	3.3	2.6								8.3	8.9
SSE	.3	1.9	6.6	6.3	.3	.1						15.6	10.4
S	.9	4.7	5.5	2.0								13.1	7.5
SSW	.6	2.5	.4									3.5	5.0
SW	.2	.9	.9	.1								2.2	7.6
WSW	.4	.9	.6	.4								2.4	6.8
W	.6	1.7	2.6		.2	.1						5.3	7.4
NNW	.6	1.4	1.1	.2								3.3	6.2
NW	.2	2.0	1.8	.2								4.3	6.6
NNW	.3	3.4	2.5	.8								7.0	7.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	9.9	/
TOTALS	8.3	34.4	51.7	14.5	.9	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	3.7	4.1	1.8								10.1	7.6
NNE	.3	1.0	1.1	.2								2.6	7.0
NE	.2	1.1	.9									2.2	5.9
ENE	.4	1.9	.5	.6								3.5	6.7
E	.6	1.8	1.1	.5								4.1	6.3
ESE	.8	2.2	1.2	.3								4.4	5.9
SE	.1	2.3	3.2	2.0	.3							8.0	9.9
SSE	.4	2.8	6.7	7.2	.5	.1	.1					17.8	10.3
S	.9	3.8	4.3	3.2		.1						12.3	8.2
SSW	.3	1.1	.8	.1								2.3	6.0
SW	.4	1.0	.5	.3								2.3	6.5
WSW	.8	.6	.9	.2								2.6	5.9
W	.6	1.9	1.6	1.4	.3							5.9	8.1
NNW	.1	1.5	1.0	.5	.2							3.3	7.9
NW	.3	2.3	2.6	.9	.2							6.2	7.7
NNE	.5	1.4	2.3	1.1								5.3	8.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	7.2	/
TOTALS	7.4	30.3	32.6	20.5	1.6	.2	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	1.8	4.3	2.9	.8						10.1	9.9
NNE	.4	1.6	1.6	1.0							4.6	7.6
NE	.6	1.1	.8	.2							2.7	6.1
ENE	.2	1.1	1.5	.4							3.2	7.6
E	.2	1.2	1.0	.3	.1						2.8	7.1
ESE	.2	.9	1.5	.5							3.1	7.6
SE	.2	2.2	2.6	3.0	.3						9.3	9.6
SSE	.2	1.3	4.5	7.6	1.3	.4					15.4	11.7
S	.6	2.3	6.2	5.8	.2	.1					15.3	9.7
SSW	.2	.9	1.1	.8							2.9	8.1
SW	.3	.8	.9	1.1	.2						3.2	9.2
WSW	.2	1.2	1.3	.4	.1						3.2	7.7
W	.1	1.2	.8	1.0	.8	.7					4.1	11.5
WNW	.1	1.0	1.3	1.1	.5						4.0	10.5
NW	.4	.6	2.6	2.2	.9						6.7	10.6
NNW	.4	1.3	2.9	3.1	.6						8.4	10.0
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	2.0	/
TOTALS	4.9	20.2	34.7	31.4	5.8	.9					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	1.9	4.2	3.8	.5						10.5	10.2
NNE	.1	1.0	2.5	.5							4.1	8.3
NE	.5	.5	2.7	.2							4.0	7.6
ENE	.1	1.4	1.2	.4	.1						3.2	7.6
E	.3	1.6	2.0	.5	.2						4.7	7.6
ESE		1.3	1.1	1.0							3.3	8.5
SE	.1	.9	2.3	2.5	.3						6.0	10.2
SSE		1.2	4.4	5.9	1.6	.1					13.2	12.0
S	.3	1.6	3.2	5.8	2.3	.1					13.3	11.8
SSW	.4	.3	1.5	.9	.4						3.5	9.7
SW	.1	1.0	1.3	.8	.4						3.5	9.3
WSW		1.0	1.4	1.0							3.3	8.9
W	.1	1.2	1.5	1.2	.2	.2					4.4	10.0
NNW	.1	1.0	1.5	2.6	1.1	.2					6.5	12.1
NW	.1	.6	1.6	3.2	1.0						6.6	12.0
NNW	.1	.8	2.0	4.4	1.2	.1					8.6	12.1
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.1	/
TOTALS	2.6	17.2	34.4	34.6	9.4	.9					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	.3	1.6	4.1	5.1	.6					11.7	10.6
NNE		1.3	1.4	.5	.1					3.3	7.9
NE	.1	2.0	2.0	.5						4.7	7.2
ENE	.2	1.7	.5	.5						3.0	6.6
E	.3	1.9	1.7	.5	.3					4.8	7.9
ESE	.3	1.2	1.4	.6						3.5	7.4
SE	.1	1.4	2.6	2.4	.3					6.8	9.9
SSE	.3	1.7	3.1	7.4	1.7	.1				14.4	11.7
S	.1	1.1	2.9	5.4	1.5	.3	.1			11.4	12.2
SSW		.5	1.2	1.1	.1					2.9	9.6
SW		.5	1.4	.4	.5					2.9	10.6
WSW	.2	.6	.9	.8	.3					2.8	9.8
W	.2	.3	.8	2.3	.2					3.8	11.1
NNW		.4	1.8	2.0	1.1	.1				5.6	12.3
NW	.2	1.4	1.8	3.8	1.0	.1				8.3	11.5
NNd		1.0	2.4	4.6	.6	.5				9.1	12.0
VARIABLE											
CALM	/	/	/	/	/	/	/	/	/	1.3	/
TOTALS	2.5	18.8	30.0	30.0	8.5	1.2	.1			100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	3.4	4.0	3.2	.5							11.7	9.0
NNE	.4	2.2	2.2	.4								5.2	6.7
NE	.8	4.1	1.7	.2								6.8	5.8
ENE	.2	2.9	.4	.1								3.7	5.3
E	.4	3.1	2.0	1.2	.2							7.0	7.6
ESE	.4	2.3	2.0	.4								5.2	6.6
SE	.1	1.7	3.9	3.1	.1							8.9	9.5
SSE	.2	1.2	3.8	6.6	2.0	.1						13.9	11.9
S	.3	2.2	2.7	3.9	.2	.1						9.4	9.6
SSW	1.2	.8	.5	.2								2.7	8.6
SW	.4	.5	.1	.2								1.3	9.7
WSW	.8	.3	.3	.2								1.6	9.7
W	.3	.9	.8	.5	.1							2.6	7.9
WNW	.2	1.6	1.6	.6	.1							4.2	7.8
NW	1.2	2.4	2.9	.5								7.0	10.6
NNW	.4	1.1	2.9	2.0	.3	.1						6.9	9.6
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.2	/
TOTALS	4.4	30.1	31.9	26.2	4.6	.7						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	2.8	1.8	1.5	.1						6.9	7.7
NNNE	1.1	2.0	1.3	.1							4.5	5.5
NE	.8	2.3	1.4	.2							4.6	5.7
ENE	1.1	3.4	.8	.1							5.4	5.3
E	1.3	3.5	2.2	.4	.1	.1					7.6	6.5
ESE	.5	2.4	1.6	.1							4.6	6.2
SE	.2	2.0	4.5	2.8	.4	.1					10.1	9.5
SSE	.3	1.4	5.2	7.8	2.2						16.9	11.6
S	.3	4.3	4.2	2.7	.2						11.7	8.3
SSW	.1	.8	.1	.1							1.1	5.5
SW	.2	1.2	.3	.2		.1					2.0	7.3
WSW	1.1	.4			.2						1.7	8.1
W	.2	2.0	1.0		.1						3.3	6.3
WNW	.4	1.9	1.2								3.5	6.0
NW	.4	1.6	1.9	.5							4.5	7.3
NNW	.2	1.3	1.7	1.4	.1						4.7	8.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.7	/
TOTALS	7.5	34.1	29.6	18.1	3.2	.5					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	2.8	3.4	2.6	.4							9.6	8.9
NNE	.4	1.5	1.4	.4	.0							3.7	6.9
NE	.5	1.7	1.3	.2	.0							3.6	6.3
ENE	.4	2.2	.7	.3	.0							3.6	6.0
E	.5	2.3	1.4	.5	.1	.0						4.9	6.8
ESE	.4	1.9	1.5	.5								4.3	6.8
SE	.2	1.7	3.1	2.6	.2	.0	.0					7.8	9.5
SSE	.3	1.7	5.1	7.0	1.4	.1	.0					15.6	11.2
S	.5	3.2	4.3	4.0	.6	.1	.0					12.7	9.3
SSW	.2	1.1	.8	.5	.1							2.7	7.7
SW	.2	.9	.8	.4	.2	.0						2.4	8.4
WSW	.3	.9	.8	.4	.1	.0						2.5	8.1
W	.3	1.4	1.3	.8	.2	.1						4.2	8.6
NNW	.3	1.2	1.3	1.0	.4	.0						4.3	9.2
NW	.3	1.6	2.0	1.8	.4	.1						6.1	9.5
NNW	.3	1.6	2.3	2.3	.4	.1						6.9	9.7
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	4.9	1.1
TOTALS	5.6	27.6	31.6	25.2	4.5	.6	.0					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFCETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/HAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	1.9	3.6	2.0	.3							9.0	9.2
NNE	.1	.9	1.2	.3								2.6	7.3
NE	.2	1.8	1.1	.2								3.3	6.6
ENE	.2	1.7	1.0									2.9	5.7
E	.4	1.3	1.1	.7								3.7	7.9
ESE	.2	1.7	1.7	.4	.1							4.1	7.5
SE	.3	1.8	2.1	3.1	.6							7.9	9.9
SSE	.4	1.6	3.8	7.3	1.6							14.7	11.5
S	.9	3.7	5.3	1.6	.6							12.0	7.9
SSW	.1	1.4	1.2									2.8	6.0
SW	.3	1.8	.3	.1								2.6	5.0
WSW	.4	1.8	1.7	.6								4.4	7.2
W	.6	1.8	1.2	.4	.1	.2						4.6	7.5
WNW	.4	1.4	2.2	1.1		.2	.1					5.6	9.1
NW	.4	1.7	2.4	1.6	.1							6.2	8.3
NNW	.4	1.3	1.8	1.6	.1							5.4	8.9
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	9.3	/
TOTALS	6.1	27.4	31.8	21.2	3.4	.6	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.9	3.0	2.8	.2							8.6	9.0
NNE	.3	.8	.8	.6								2.4	7.8
NE	.2	1.6	1.4	.5								3.6	6.7
ENE	.6	1.5	.9									2.4	5.6
E	.1	1.9	1.1	.1								3.2	6.2
ESE	.3	1.2	1.4	.9	.1							4.0	7.9
SE	.2	1.2	2.1	2.4	.3	.1						6.4	10.4
SSE	.1	.7	5.2	7.8	1.2							15.0	11.7
S	1.1	6.6	4.2	1.6								13.4	6.8
SSW	.3	2.0	1.2	.1	.1							3.8	6.3
SW	.3	1.6	1.3	.1								3.3	5.8
WSW	.3	.9	1.9	.6	.1							3.8	8.0
W	.3	1.7	2.3	.6		.1						5.0	7.8
NNW	.3	1.2	1.8	.8	.1	.3						4.7	9.0
NW	.2	2.1	2.2	.7			.1					5.3	7.7
NNW	.3	1.8	2.9	1.8								6.8	8.2
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	8.2	/
TOTALS	5.9	28.1	33.9	21.0	2.2	.6	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	2.4	3.9	2.6	.7							10.2	6.9
NNE	.2	.7	1.4	.2								2.6	7.5
NE	.2	.9	1.7	.3								3.0	7.9
ENE	.2	1.4	1.4									3.1	6.8
E	.4	.9	.7									2.0	5.7
ESE		1.4	1.4	.9								3.8	8.0
SE	.6	.9	3.1	3.0	.3							7.9	9.8
SSE	.8	1.2	4.7	7.9	.9							15.4	11.0
S	.7	4.8	5.0	2.1	.3							12.9	7.6
SSW	.8	1.1	1.3	.1								3.3	5.7
SW	.4	1.1	1.2	.8								3.6	7.6
WSW	.3	1.7	1.2	.7	.1							4.0	7.6
W	.4	2.0	1.9	1.4	.1							5.9	8.2
NNW	.3	.8	1.1	1.3	.2	.2						4.0	10.4
NW	.6	1.0	2.9	1.9	.1	.2						6.7	9.3
NNW	.7	1.4	2.2	2.7								6.7	8.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	5.0	/
TOTALS	7.0	23.7	35.2	25.9	2.8	.4						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.9	3.6	4.3	1.0							11.4	10.4
NNE	.3	1.1	.9	.9								3.2	8.0
NE		.2	2.2	.1								2.6	8.3
ENE	.2	.8	1.9	1.1								4.0	8.8
E	.3	.6	1.3	.6	.1							2.9	8.3
ESE	.1	1.0	1.0	.6	.1							2.8	8.0
SE	.3	1.1	3.7	2.7	.4	.3						8.6	10.8
SSE	.4	1.2	3.9	6.1	1.6	.2						13.4	11.9
S	.3	1.8	4.1	5.8	1.3							13.3	10.8
SSW	.4	.2	1.7	1.4	.1							3.9	9.7
SW	.1	.4	1.9	.8								3.2	9.5
WSW	.2	.6	.8	.6	.1	.3						2.6	10.9
W	.3	.7	1.7	1.3	.7	.2						4.9	11.1
WNW	.1	.9	1.8	1.7	1.1	.2	.1					5.9	12.2
NW	.2	1.3	2.4	2.8	.6	.7	.1					7.7	10.9
NNW	.2	1.3	3.6	2.9	.6	.1						8.7	10.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	1.0	/
TOTALS	4.4	15.1	36.3	33.6	7.7	1.7	.2					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	1.7	2.2	4.4	.8	.1						9.0	11.4
NNE	.1	.6	1.6	1.2								3.4	9.1
NE	.1	1.3	1.6	.7								3.7	8.0
ENE	.2	1.2	1.7	.8	.1							4.0	7.9
E	.1	.6	1.3	1.0								3.0	9.1
ESE		.9	2.1	.4	.2							3.7	9.1
SE	.1	.7	1.9	2.3	1.0	.1						6.1	11.9
SSE	.2	.1	1.6	6.7	1.9	.9						11.3	14.1
S	.3	.7	2.8	4.8	2.2	.7	.1					11.6	13.3
SSW	.1	.8	1.3	1.1	.6							3.9	10.5
SW	.3	.7	1.4	2.1	.1							4.7	9.7
WSW	.1	.4	1.2	.8	.1							2.7	9.7
W	.3	.7	2.1	3.0	1.3	.3	.1					7.9	12.4
NNW	.1	1.0	2.1	1.9	1.3	.1						6.6	11.6
NW	.1	1.3	2.8	3.0	.6	.2	.1					8.1	11.4
NNW		1.1	1.9	5.4	1.2	.2						9.9	12.1
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	.6	/
TOTALS	2.4	13.3	29.6	35.7	11.4	2.7	.3					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	2.0	3.9	4.4	.8							11.2	10.3
NNE	.1	1.2	2.0	.8								4.1	8.4
NE	.2	1.3	2.4	.9								5.0	8.5
ENE		1.0	1.3	.3	.1							2.8	8.3
E	.3	.7	1.3	1.1	.3							3.8	9.3
ESE	.1	1.2	1.7	.6	.1							3.7	7.9
SE		.9	2.3	2.8	.8	.2						7.0	11.9
SSE	.2	.9	1.7	4.4	1.3	.4						9.0	12.9
S	.4	1.3	2.4	5.4	2.4	.8	.2					13.1	13.4
SSW		.4	1.0	1.2	.4							3.1	11.6
SW	.1	.7	1.0	.4	.2							2.4	9.5
WSW	.1	1.0	1.2	.4	.3	.1						3.2	9.3
W	.1	.7	2.4	3.1	.4	.1						6.9	11.6
NNW	.1	.7	1.7	2.4	1.1	.1						6.1	12.2
NW	.3	.9	3.4	3.6	1.1	.1						9.4	11.1
NNW	.1	.6	2.4	3.4	1.4	.2						8.2	12.6
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	.9	/
TOTALS	2.4	15.4	32.3	35.4	11.0	2.2	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: MECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.3	3.4	3.2	2.1	.7	.1					10.9	8.1
NNE	.6	1.7	3.1	.7							6.0	7.3
NE	.3	3.4	2.2	.3							6.3	6.4
ENE	.4	2.1	1.3	.1	.1	.2					4.3	7.5
E	.4	2.7	1.2	.8	.1						5.2	7.1
ESE	.4	1.9	2.2	.8	.2						5.6	7.9
SE	.3	1.6	3.1	3.4	.2						8.7	9.9
SSE	.2	1.1	2.7	4.7	.7	.1					9.4	11.2
S	.2	2.4	3.6	2.9	.3	.1					9.6	9.4
SSW	.6	1.1	.4	.3							2.4	6.3
SW	.2	1.1	.6								1.9	5.6
WSW	.2	1.0	1.1	.1							2.4	6.5
W	.6	2.7	1.2	1.0	.4						5.9	7.8
NNW	.1	1.0	1.7	1.6	.3	.2					4.9	10.8
NW	.1	1.7	3.2	2.2	.6						7.8	9.7
NNB	.1	1.1	1.3	1.1	1.7	.1					5.4	12.1
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	3.2	/
TOTALS	6.2	30.0	32.2	22.1	5.3	.7	.2				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: MEXICO FLU FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	2.6	3.8	1.4	.3						8.7	8.2
NNE	.2	1.8	1.3	.8							4.1	7.5
NE	.8	1.7	2.0	.2							4.7	6.3
ENE	.6	2.1	1.3	.1							4.1	6.1
E	.6	2.9	1.4	.1	.1	.1					5.2	6.7
ESE	.6	1.6	1.2	1.0	.1						4.4	7.8
SE	.7	2.7	2.7	4.0	.9						10.2	10.5
SSE	.1	1.2	3.1	5.4	1.2	.1					11.2	11.2
S	.9	2.9	4.3	2.7	.2	.1					11.1	8.7
SSW	.7	1.4	.4	.3							2.7	5.3
SW	.3	1.6	.1								2.0	4.7
WSW	.6	.9	1.3	.2							3.0	6.6
W	.7	2.6	2.1	.9							6.2	6.9
WNW	1.6	2.4	.1	.2	.7						4.7	8.8
NW	.2	1.4	2.1	1.1	.4	.1					5.4	9.4
NNW	.3	1.9	1.2	2.1	.4						6.0	9.7
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.2	/
TOTALS	7.0	30.7	31.0	20.3	4.0	.9					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 72753G STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
 MONTH: SEP      HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL H	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	2.2	3.4	3.0	.6	.0						9.7	9.5
NNE	.2	1.1	1.5	.7								3.6	7.8
NE	.3	1.5	1.8	.4		.7						4.0	7.2
ENE	.3	1.4	1.4	.3	.0	.0						3.5	7.2
E	.3	1.4	1.2	.5	.1	.0						3.6	7.6
ESE	.2	1.4	1.6	.7	.1							4.0	8.0
SE	.2	1.3	2.6	3.0	.6	.1						7.8	10.6
SSE	.3	1.0	3.3	6.3	1.3	.2						12.4	11.9
S	.6	3.0	4.0	3.3	.9	.2	.7					12.1	9.7
SSW	.4	1.1	1.1	.6	.2							3.2	7.9
SW	.3	1.1	1.0	.5	.0							3.0	7.5
WSW	.3	1.0	1.3	.5	.1	.1						3.3	8.1
W	.4	1.6	1.9	1.5	.9	.1	.0					5.9	9.4
WNW	.2	1.1	1.8	1.4	.6	.2	.1					5.7	10.6
NW	.3	1.4	2.7	2.1	.4	.1	.0					7.1	9.9
NNW	.2	1.2	2.2	2.7	.7	.1						7.1	10.5
VARIABLE													
CFLM	/	/	/	/	/	/	/	/	/	/		4.3	/
TOTALS	5.2	23.0	32.8	27.4	6.0	1.2	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.5	.9	1.5	2.6	1.3	.2	.2				7.2	12.3
NNE	.2	.2	.3	.2							1.0	7.1
NE	.2	1.1	.5	.6							2.5	7.6
ENE	.1	1.5	.8	.5	.1						3.0	7.6
E	.3	.6	1.4	.1							2.5	7.0
ESE		.8	.9	.2							1.8	8.1
SE	.2	.9	1.2	1.3	1.4	.3					5.3	12.4
SSE	.1	1.6	4.2	9.2	2.2	.6					16.9	12.7
S	.6	3.7	5.2	2.8	.2	.1					12.6	8.5
SSW	.4	1.9	1.7	.1	.1	.1					4.3	6.8
SW	1.0	1.2	.5	.1							3.9	7.6
WSW	.1	1.6	1.9	1.1	.1						4.8	8.3
W	.2	1.9	2.2	1.2	.1	.1					5.7	8.3
WNW	.2	1.0	2.4	1.0	.3						4.8	9.3
NW	.3	1.8	4.2	3.1	.4						9.9	9.5
NNW	.7	.9	2.6	2.5	1.5	.3	.1				9.1	12.3
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	5.8	/
TOTALS	3.9	22.3	32.0	26.0	7.8	1.9	.3				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0700-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	.6	1.5	2.9	.9	.9						6.8	13.2
NNE	.5	.1	.5	.3								1.5	7.1
NE	.1	1.0	.6	.5								2.3	7.5
ENE	.1	1.3	.8	.2								2.5	7.2
E	.3	.5	1.0	.4								2.3	7.8
ESE	.3	.9	1.3	.4								2.9	7.2
SE	.1	1.4	1.1	1.7	1.3							5.6	11.2
SSE	.3	1.5	3.9	7.6	2.9	.5						16.8	12.6
S	.4	4.1	5.6	2.0	.4	.1						12.7	8.2
SSW	.3	2.0	1.1	.1	.1							3.7	6.7
SW	.2	2.4	1.3	.1								4.0	6.3
WSW	.6	1.3	1.3	1.0	.2							4.4	7.9
W	.4	2.4	2.5	1.9								7.2	8.3
WNW	.3	1.0	1.8	1.9	.1	.1						5.1	9.3
NW	.3	2.0	4.2	2.6								9.1	9.1
NNW	.3	1.2	1.6	2.7	1.7	.7						7.8	12.2
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	5.3	/
TOTALS	4.9	23.7	30.0	26.6	7.6	1.9						102.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.2	1.4	1.1	2.6	.8	.4						6.5	11.9
NNE	.2	.9	1.1	.4	.1							2.4	8.4
NE	.1	.6	.8	.3								1.8	7.6
ENE	.2	.6	.4	.1								1.4	6.4
E	.5	.4	.5	.4								1.9	6.8
ESE	.2	1.2	.9	.4								2.7	7.2
SE	.2	.9	1.5	1.9	1.4	.1						6.0	12.3
SSE	.2	1.9	4.3	7.5	3.0	.5						17.5	12.5
S	.5	4.2	6.0	3.0	.1	.3						14.2	8.4
SSW	.4	1.4	1.3	.2								3.3	6.2
SW	1.2	.8	.2									2.2	7.2
WSW	.4	2.2	1.0	.9	.1							4.5	7.4
W	.4	1.9	2.3	2.0	.1	.1	.1					7.0	9.3
WNW	.4	2.2	1.9	1.4	.2							6.2	8.3
NW	.4	1.3	3.2	2.7	.5							8.2	9.9
NNW	.2	1.8	1.5	3.0	1.6	.4						8.6	12.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	5.6	/
TOTALS	4.8	23.9	28.5	27.2	8.0	1.9	.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: PECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	.6	3.1	2.9	2.6	.8					10.2	13.3
NNE		1.0	1.4	.8							3.1	8.3
NE	.1	.2	.4								.8	6.7
ENE			1.3	.5							1.8	10.1
E	.3	1.0	.6	.4							2.4	7.5
ESE	.2	.8	.8	.6							2.4	8.8
SE		1.5	1.6	1.2	1.3	.4					6.0	11.8
SSE	.3	1.2	2.2	6.0	3.2	1.5	.2				14.6	14.5
S	.1	1.4	5.2	6.2	1.6						14.5	11.4
SSW		.6	1.6	1.6	.2						4.1	10.4
SW	.1	1.0	1.2	.5							2.8	8.1
WSW	.1	.2	1.3	1.1							2.7	9.8
W		1.2	1.9	2.3		.1					5.5	10.0
WNW	.2	1.0	2.5	2.0	1.2	.3	.1				7.3	12.0
NW	.3	.5	3.0	2.8	1.7	1.1					9.5	13.1
NNW	.4	.8	2.4	4.1	2.6	.4					10.6	13.0
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	1.7	/
TOTALS	2.5	12.9	30.4	33.1	14.4	4.6	.3				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
USAFETAC FROM HOURLY OBSERVATIONS  
AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	1.6	4.3	1.9	.5							8.9	14.1
NNE	.2	.4	.4	1.5								2.6	10.5
NE		.4	1.3	.4								2.2	8.5
ENE		.3	.8	.6	.2							1.9	10.3
E	.1	.6	.6	.5	.1							2.0	9.8
ESE		.4	.5	.3								1.3	7.8
SF	.1	1.1	.6	1.1	.6	1.0	.1					4.6	13.7
SSE	.2	.5	2.0	6.5	3.1	1.7	.2					14.3	15.8
S	.6	4.4	7.7	2.5	.6							13.8	12.8
SSW	.6	1.2	1.9	.6								4.4	11.4
SW	.7	1.3	2.3	.4								4.3	11.7
WSW	.1	.8	1.7	1.0	.3							3.9	9.7
W	.2	.9	2.0	2.2	.9							5.9	10.6
WNW	.2	.4	1.5	2.3	1.5	.3						6.2	13.1
NW	.1	.6	2.8	5.1	2.3	1.2						12.0	14.0
NNW	.2	1.1	2.5	2.4	2.2	1.4						10.8	14.0
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	.9	/
TOTALS	1.5	9.6	25.4	39.0	16.6	6.8	.3					100.0	12.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	.4	2.2	4.6	1.9	.1	.3					9.9	13.5
NNE		.6	.8	1.2								2.6	9.7
NE		.3	1.1	.3								1.7	8.3
ENE	.1	.6	1.1	1.4								3.3	9.1
E		.4	.4	.4	.3							1.6	11.1
ESE	.1	.6	.5	.2								1.6	6.9
SE		.4	2.3	1.0	1.3	1.1						6.0	14.1
SSE		.8	3.1	5.9	2.4	1.1	.1					13.3	14.1
S	.2	1.0	4.1	3.2	1.4	.3						10.2	11.6
SSW	.1	.3	1.8	1.5	.3	.1						4.2	11.1
SW	.3	1.8	1.0	2.3								5.4	9.2
WSW		1.5	1.5	1.5	.1							4.6	9.2
W	.2	1.1	1.7	1.1	.6	.1						4.8	9.9
WNW	.2	.9	1.1	1.4	1.2	.6						5.4	13.3
NNW	.2	1.4	3.7	3.7	2.8	.6						12.4	12.4
NNW	.1	.6	1.6	5.3	2.8	.8						11.3	14.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	1.6	//////	
TOTALS	1.9	13.2	27.8	34.9	15.2	4.9	.4					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.6	2.0	2.2	4.5	.8	.1	.1	.1	.1	.1	10.4	11.0
NNE	.5	2.4	.4	.6	.1						4.1	7.0
NE	.2	1.8	.4	.5							3.0	6.5
ENE	.4	.9	.8	.3	.1						2.5	7.0
E	.1	1.3	.4	.3	.1						2.3	7.0
EE												
ESE	.1	1.5	1.0	.9	.2						3.7	8.6
SE	.3	1.4	3.0	3.2	.9	.7					9.1	10.7
SSE	.3	1.7	4.2	5.7	2.4	1.1					15.4	12.3
S	.4	2.9	5.7	2.6	.3	.1					12.0	8.8
SSW	.2	.9	1.3	.2	.2						2.6	7.2
SW	.2	1.1	.9	.3							2.5	7.2
WSW												
W	.5	1.6	2.3	.4	.2						5.1	7.6
WNW	.3	1.3	1.8	1.4	.4						5.3	9.3
NW	.5	1.3	2.8	2.2	.8	.1					7.6	9.9
NNW	.1	1.1	1.9	2.5	1.3	.2	.1				8.3	12.1
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	2.9	/
TOTALS	5.1	24.5	30.3	27.0	8.0	1.9	.2	.1			100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
 MONTH: OCT    HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.1	2.2	2.2	3.5	.6	.2	.2					0.0	11.5
NNE	.2	.5	.9	.6								2.4	9.4
NE	.4	1.0	1.1	.2								2.7	6.9
ENE	.1	1.3	1.1	.2								2.7	7.0
E	.3	.8	1.1	.2								2.4	6.9
ESE	.1	1.0	.8	.4								2.3	7.4
SE	.2	1.2	1.3	3.9	1.6	.1						8.3	12.3
SSE	.3	.8	4.2	8.5	1.8	.6	.1					16.3	12.6
S	.2	3.8	5.7	3.2	.9	.1						13.9	9.1
SSW	.2	1.6	1.6	.5	.1	.2						4.3	8.6
SW	.1	.6	.9	.1								1.7	6.8
WSW	.2	.6	1.8	.4	.1							3.2	8.2
W	.1	2.5	3.3	.9	.5							7.3	8.5
WNW	.5	1.2	.9	1.1	.2	.2						4.1	9.1
NW	.4	.3	2.6	2.5	.4	.4						6.9	11.1
NNW	.3	1.7	2.4	3.1	.3	.3	.3					8.5	11.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	4.1	////
TOTALS	4.0	21.0	31.8	29.5	6.7	2.4	.6					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(EST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	1.1	1.9	3.5	1.3	.4	.1	.0				8.6	12.6
NNE	.2	.7	.7	.7	.0	.3						2.4	8.5
NE	.1	.8	.8	.4								2.1	7.4
LNE	.1	.9	.9	.5	.1	.2						2.4	8.1
E	.3	.7	.8	.4	.1							2.2	7.8
ESE	.1	.9	.8	.4	.0							2.3	7.8
SE	.1	1.1	1.6	1.9	1.2	.4	.0					6.4	14.2
SSE	.2	1.2	3.5	7.0	2.6	1.0	.1					15.6	13.2
S	.3	2.7	5.2	3.6	.9	.7						13.0	9.9
SSW	.2	1.2	1.5	.8	.2	.1						3.9	5.7
SW	.1	1.3	1.0	.8	.1							3.3	8.3
WSW	.2	1.2	1.5	.9	.2							3.9	8.6
W	.3	1.7	2.3	1.5	.3	.1	.0					6.1	9.0
WNW	.3	1.1	1.7	1.6	.6	.2	.0					5.6	10.6
NW	.3	1.2	3.3	3.1	1.1	.4						9.4	11.3
NNW	.2	1.2	2.1	3.5	1.7	.5	.1					9.2	12.8
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	3.5	/
TOTALS	3.6	18.0	29.5	30.4	10.5	3.3	.3	.0				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	2.4	2.9	2.1	1.0	.2	.2				9.6	10.0
NNC	.3	1.0	.9	.6	.1						2.9	7.8
NE	.3	1.4	2.0	.3							4.1	7.3
FNE	.2	1.6	.6	.4							3.0	6.9
E	1.0	.8	.2	.1							2.1	7.6
ESE	.2	.9	1.2	.2							2.6	6.9
SF	.2	1.0	1.1	2.2	.2	.1					4.9	10.6
SSE	.2	1.4	3.2	6.7	1.6	.2					13.3	12.0
S	.8	3.6	6.2	2.9	.8						14.6	8.6
SSW	2.2	2.2	.3								4.6	6.7
SW	.2	2.0	1.3	.2							3.0	6.4
WSW	.0	1.0	.4								2.3	7.5
-	.4	1.6	1.6	.6	.1						4.6	7.5
+NW	1.3	1.3	1.6	.7	.6	.2					5.9	12.9
NW	.1	2.0	2.4	3.2	1.7	.2					9.7	11.5
NNW	.9	1.6	2.2	1.2	.6	.6	.1				7.1	14.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	4.9	/
TOTALS	3.6	25.9	30.6	24.4	7.4	1.0	1.0	.1			100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	2.0	2.3	2.1	.9		.3				8.1	10.6
NNE	.1	.8	1.8	.9	.1						1.7	8.9
NE	.4	2.2	1.8	.3							4.8	6.4
ENE	.6	1.7	.6	.1	.1						3.0	6.1
E		1.0	.1	.3							1.4	7.5
ESE	.2	.6	.4	.2							1.4	6.8
SE	.2	.7	1.1	2.9	.6						5.4	11.3
SSE	.1	2.6	3.3	5.0	1.7	.4					13.1	11.4
S	.4	4.0	6.6	3.9	.2	.1					15.2	8.7
SSW	.7	2.7	1.2	.4							4.2	7.1
SW	.6	.6	.4								1.6	5.5
WSW	.2	2.2	1.2	.1							3.4	6.1
W	.7	2.3	2.2	1.6	.2						7.0	7.8
NNW	.2	.7	1.7	2.2	.3	.7					5.4	11.0
NW	.2	1.1	2.1	3.0	1.3	.9					8.6	12.5
NNW	.2	.8	2.2	2.6	1.0	.3	.2	.1			7.4	12.8
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	5.8	/
TOTALS	4.9	25.4	29.1	25.7	6.4	2.7	.6	.1			100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0400-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	2.1	3.1	1.4	1.4	.2	.3				9.1	10.8
NNE	.1	.9	1.4	1.1	.2						3.8	9.6
NE	.2	1.3	1.1	.4							7.1	6.8
ENE	.3	1.4	.4								2.2	5.5
E	.1	1.1	.8	.4							2.4	7.4
ESE	.6	.2	.5								1.1	6.2
SE	.1	1.0	1.3	2.1	.7						5.2	10.7
SSE	2.0	3.9	6.1	1.6	.3						13.9	11.8
S	.9	5.2	5.1	4.1	.1						15.3	8.4
SSW	.1	1.8	1.6	.2			.1				3.4	7.3
SW	.2	1.1	.7	.6							2.6	7.4
WSW	.7	1.7	1.3	.2			.1				4.0	6.8
W	.3	1.2	2.2	1.1							4.9	6.0
NNW	1.8	2.6	1.9	.3	.4						7.0	10.0
NW	.2	1.0	1.4	3.3	1.6	.4					9.9	11.8
NNW	.1	1.8	2.1	2.7	.7	.3	.2				7.9	11.5
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	4.8	/
TOTALS	3.5	26.9	29.3	26.1	6.4	2.0	.7				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAFETAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE F6		
N	.3	1.7	3.4	3.3	1.8	.2	.1	.2				10.8	12.2
NNNE	.1	.7	.9	1.1	.1	.1						3.7	9.8
NE		.8	1.0	.4	.1							2.3	8.9
ENE	.1	.3	1.6	.3								2.3	8.5
E	.1	.6	.9	.4	.1							2.1	8.2
ESE	.1	.3	.4	.6								1.4	9.2
SE	.1	.9	1.9	1.7	.8	.1						5.4	10.6
SSE	.2	1.7	3.1	6.0	1.9	.4						13.3	12.2
S	.1	1.9	5.4	5.7	1.0	.4						15.6	11.1
SSW	.2	.9	1.6	.8								3.4	8.3
SW	.2	.8	1.1	.4								2.6	7.3
WSW	.1	.8	.6	1.1	.1							2.7	9.6
W	.1	.7	2.6	1.8	.4	.1						5.7	10.4
WNW	.1	.2	2.8	2.3	1.1	.3						7.4	11.8
NW		.8	2.1	4.7	1.8	.6						9.9	13.5
NNW	.1	1.2	3.4	2.7	.9	.6						8.9	11.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/		3.1	/
TOTALS	2.1	14.7	32.8	34.3	10.1	2.9	.1	.2				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: MECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	3.3	3.8	1.9	.8	.1	.2					15.7	17.9
NNE	.7	.8	1.2	.4								3.1	11.4
NE	.4	2.1	1.1									3.7	9.4
ENE	.1	.7	.7	.8								1.9	9.6
E	.8	.7	.2									1.7	7.8
EE	.3	.2	.8									1.3	10.3
SE	.2	.7	1.1	2.1	.2							3.9	11.3
SSE	.1	.7	2.8	6.2	2.6	.2	.1					17.2	13.8
S	.3	.7	5.3	5.3	1.1							12.8	11.2
SSW	.8	1.1	2.1	.2								4.2	10.7
Ss	.2	.9	1.6	.6	.2							3.9	8.8
WSW	.1	.9	1.3	.8								3.1	8.6
W	.7	1.0	1.7	3.6	.4	.1						7.3	10.9
WNW	1.1	1.0	3.6	.8	.6	.1						7.1	12.9
WW	.1	1.2	2.0	4.7	2.9	.7						11.6	13.5
NNW	.1	2.3	3.9	1.8	.2	.2						9.6	12.9
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	1.3	/
TOTALS	1.4	11.7	28.2	40.9	12.6	3.1	.6	.2				100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.3	3.3	4.4	1.9	1.1						13.0	13.1
NNE	.1	1.0	1.4	1.4	.1	.1						6.2	10.0
NE	.1	.3	2.1	.8								3.3	8.9
ENE	.1	1.0	1.0	.1	.2							2.4	8.2
E	.1	.7	.4	.3								1.6	7.5
ESE	.1	.7	.4	.4								1.3	8.7
SE	.1	.8	1.8	2.2	.2							5.1	10.3
SSE	.2	.8	3.2	5.7	1.6	1.2						12.4	13.1
S	.2	2.4	4.6	3.2	.7	.3						11.4	10.0
SSW		1.6	1.8	1.7	.2							5.2	9.1
SW		1.4	.8	.2								2.4	6.9
WSW	.1	.9	1.4	.6								3.0	7.7
W	.1	1.0	2.6	1.1	.6	.3						5.7	10.4
WNW	.1	1.3	2.4	1.8	1.0							6.9	11.4
NW	.1	1.1	2.6	5.4	1.1	.4						11.0	12.8
NNE	.1	1.1	1.8	4.0	1.3	.7	.1					8.7	12.7
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	2.2	/
TOTALS	2.2	17.1	51.7	33.4	8.9	3.6	.3	.6				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.6	3.6	3.6	1.7	.7	.4	.1				11.7	12.5
NNW	.2	2.1	1.6	1.1	.1							5.1	7.7
NE	.1	1.3	2.2	.2								3.9	7.3
ENE	.3	1.6	.6	.3	.2							3.1	6.0
E	.2	1.6	.3	.2								2.3	6.2
ESE	.6	1.1	.6	.7								2.9	7.0
SE	.2	1.0	2.2	1.6	.3							5.4	10.1
SSE		1.1	3.6	4.7	2.4							17.2	12.8
S	.2	3.7	4.8	2.8	.9							12.4	9.4
SSW	.2	1.0	2.2	.2								3.7	7.2
SW	.7	1.9	1.8	.1								4.4	6.1
WSW	.7	1.1	1.4	.6								3.8	6.7
W	.4	2.1	2.2	1.1	.2							6.3	8.5
WNW	.1	1.2	2.6	1.8	.6							6.4	10.6
NW	.3	1.0	1.3	2.6	.9	.2		.1	.3			6.8	13.2
NNW	.1	.8	2.0	2.4	.7	.2			.1			6.3	12.1
<b>VARIABLE</b>													
CALM	/	/	/	/	/	/	/	/	/	/	/	3.1	/
TOTALS	4.7	24.1	33.1	23.9	8.0	2.7	.6	.6				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	2.1	4.4	1.8	1.0	1.0	.2				11.0	11.0
NNE	.3	1.4	2.6	1.2	.2						5.8	8.6
NE	.1	1.6	1.4	.3							3.4	7.1
ENE	.3	1.0	1.2	.2							2.8	7.1
E	.1	.7	1.3	.1	.1						2.3	9.0
ESE	.3	.8	.7								1.9	5.8
SE	.1	1.2	2.7	2.9	.3						7.2	10.3
SSF		1.4	2.8	5.7	1.7	.3	.1				12.0	12.5
S	.7	4.1	4.4	4.3	.7						14.2	9.2
SSW	.7	1.8	2.6	.8							5.8	6.9
SW		1.1	1.8								2.9	7.0
WSW	.3	1.9	.9	.2							3.3	6.1
W	.4	2.3	2.2	.7	.1	.7					6.1	8.3
NNW	.1	.7	1.4	1.7	1.0						4.9	11.6
NW		1.1	1.6	2.6	1.0	.3	.1	.2			6.9	13.5
NNW		.9	1.0	2.2	1.0	.1	.6				5.8	13.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	3.9	/
TOTALS	4.0	24.1	32.0	24.7	7.1	2.1	1.0	.2			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	1.7	3.3	2.8	1.4	.5	.2	.1				10.5	11.9
NNE	.2	1.1	1.4	1.1	.2	.0						3.9	9.1
NE	.2	1.2	1.7	.5	.0							3.6	7.6
ENE	.2	1.1	.8	.3	.1	.0						2.6	7.4
E	.1	.9	.7	.3	.0							2.0	7.5
ESE	.2	.6	.5	.4								1.7	7.6
SE	.2	.8	1.7	2.2	.4	.0						5.3	10.6
SSE	.1	1.5	3.2	5.7	1.9	.5	.0					12.9	12.4
S	.4	3.2	5.3	4.2	.7	.1						13.9	9.5
SSW	.2	1.5	1.8	.8	.1							4.4	7.9
SW	.3	1.2	1.2	.3	.0							3.0	7.0
WSW	.3	1.3	1.2	.5	.0	.0						3.2	7.3
W	.3	1.6	2.2	1.4	.3	.1						5.9	9.6
WNW	.1	1.1	2.0	2.1	.7	.3	.1					6.4	11.5
NW	.1	1.3	1.9	3.7	1.5	.5	.0	.1				9.2	12.8
NNW	.1	1.1	2.1	2.8	1.1	.3	.2	.0				7.7	12.7
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	3.6	/
TOTALS	3.4	21.2	31.0	29.2	8.4	2.4	.6	.2				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND KNOTS
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.8	2.8	7.0	1.8	.6					10.5	17.0
NNE	.6	.2	.6	.3							1.9	6.5
NE	.1	.3	.8								1.2	7.1
ENE	.7	.9	.3	.2							1.7	6.0
E	.2	.9	.3								1.4	5.4
ESE	.1	.5	.4	.3							1.4	7.5
SE	.1	1.0	1.0	1.6	.1						3.8	9.8
SSE	.3	.8	3.3	3.9	1.8	.4					10.5	12.4
S	.9	4.8	8.4	4.3	.4						18.8	8.6
SSW	.1	1.6	1.1	.4	.1						3.3	7.2
SW	.2	1.0	1.0	1.3	.2						4.5	8.4
WSW	.4	1.4	1.2	.5							3.5	6.9
W	.1	2.7	2.4	1.4	.4	.3	.1				7.4	9.3
WNW	.3	1.8	2.4	1.3	.2						6.0	8.5
NW	.2	1.2	2.7	5.3	1.6						9.0	11.8
NNW	.1	.8	2.0	3.5	.9	.5	.1				8.1	12.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.8	/
TOTALS	4.6	22.6	30.8	25.5	7.4	2.3	.2				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47		
N	.3	1.4	2.0	3.6	1.3	.3				8.9	11.7
NNNE	.2	.8	1.0	.4	.1					2.5	8.1
NE	.2	.9	.5	.5						2.2	7.3
ENE		.6	.3	.2						1.2	7.3
E	.2	.3	.6							1.2	6.5
ESE	.2	.2	.9	.4						1.7	7.9
SE	.2	1.1	.9	1.4	.1					3.7	9.1
SSE	.2	1.4	3.3	3.9	2.2	.3				11.3	12.1
S	.3	5.7	6.6	4.2	.1					16.9	8.4
SSW	.2	1.7	1.9	.3						4.2	6.9
SW	.1	1.5	.6	.5	.1					2.9	7.6
WSW	.3	1.8	1.7	.8						4.6	7.3
W	.5	1.6	3.4	1.8	.1					7.4	6.5
WNW	.3	1.3	2.3	1.8	.5	.1				6.3	9.9
NW		1.6	2.5	2.7	1.5	.7				9.6	11.5
NNW	.2	1.2	2.3	2.5	1.1	.8	.2			9.2	12.7
VARIABLE											
CALM	/ / / / / / / / / /									7.2	/ / / /
TOTALS	3.7	23.0	30.9	26.1	7.1	1.9	.2			100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.6	1.6	2.5	4.6	1.9	.9	.1	.1				12.3	12.5
NNE		1.0	.5		.3	.1						1.9	9.2
NE	.3	.8	.5	.2								1.8	6.5
ENE		.1	.3	.3								.8	10.1
E	.1	.5	.5	.2								1.4	7.5
ESE	.1	1.0	.3	.1								1.5	5.8
SE		.6	1.4	1.5	.3							3.9	10.5
SSE	.1	1.7	3.0	3.5	2.2	.2						10.8	11.8
S	.3	3.5	7.2	4.3	.3							15.7	8.8
SSW	.1	2.3	2.0	.3								4.7	7.1
SW	.3	1.8	1.5	.5								4.2	7.2
WSW	.2	1.3	.9	.1								2.5	6.4
W	.6	1.2	4.0	.9								5.7	7.8
NNW	.1	.9	2.0	1.3	.1	.4						4.8	10.6
NW	.8	1.7	2.8	3.4	.6	.9						10.2	11.2
NNW	.3	.9	2.3	3.0	1.9	.3	.3	.1				9.1	13.3
VARIABLE													
CALM	/	/	/	/	/	/	/	/	/	/	/	7.7	/
TOTALS	4.1	26.9	31.8	24.4	7.7	2.7	.4	.2				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	1.7	3.0	3.7	1.4	.8	.1				10.4	12.7
NNNE	.1	.6	.4	.2							1.4	7.2
NNE	.2	.6	.8								1.6	6.3
ENE	.2	.6	.3	.2							1.5	6.1
E	.2	.6	.3	.1							1.3	6.4
ESE	.4	.4	.6								1.5	9.4
SE	.6	.8	1.1	.2							2.8	10.2
SSE	.2	1.9	1.7	4.6	2.4	1.0					11.4	12.9
S	.1	3.9	5.5	4.4	.9	.2					14.6	9.6
SSW	.1	1.2	2.4	1.0							4.6	8.3
SW	.5	1.7	1.6	.5							4.4	7.2
WSW	.3	.6	2.3	.5	.1						3.9	8.2
-	.5	2.2	3.1	1.9	.3						6.2	8.7
WNW	.4	.8	1.3	2.2	.6	.1					5.4	11.2
W	.5	1.4	2.4	2.6	1.4	.2	.1				8.8	11.1
NNW	.1	1.3	2.4	4.3	1.6	1.4	.9				11.8	14.5
VARIABLE												
CALM	//////////										5.9	////
TOTALS	4.3	20.2	28.4	28.0	8.9	3.5	1.0				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.4	1.5	2.5	3.2	2.6	.9	.2					11.3	13.3
NNE	.1	.9	1.2	.2								2.4	7.3
NE	.1	.3	1.1	.1								1.6	7.5
ENE		.4	.4									.9	6.4
E		.6	.5	.5								1.7	8.4
ESE	.2	.4	.5	.5								1.7	6.1
SE	.1	.2	.8	.6	.5							2.3	11.5
SSE	.1	1.1	1.6	4.5	1.8	.9						10.0	13.5
S	.2	1.8	4.0	4.6	1.3	.9	.1					12.9	11.9
SSW	.2	1.0	2.0	1.0	.2							4.4	8.6
SW	.1	1.2	1.5	1.0								3.9	8.7
WSW	.4	1.0	2.0	1.2								4.6	8.4
W	.1	1.2	3.3	2.7	.4	.1						7.8	10.2
WNW	.4	1.0	1.7	3.6	1.7	.3						8.9	12.6
NW	.4	1.1	1.6	3.1	1.8	.5	.1					9.7	13.0
NNW	.1	.9	2.8	4.6	2.9	1.4	.1					12.8	14.3
VARIABLE												4.1	11.3
CALM	/	/	/	/	/	/	/	/	/	/	/		
TOTALS	3.1	14.6	27.6	31.7	13.3	4.9	.5					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOEAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	5.1	2.0	3.3	1.8	1.4					11.9	12.3
NNE		.9	1.3	.4							2.6	7.5
NE		.8									.8	4.9
ENE	.3	.8	.5								1.6	5.4
E	.2	.3	.9	.3							1.7	7.8
ESE	.3	.6	.3								1.3	5.5
SE	.1	.9	.5	.6	.3	.1	.1				2.7	11.0
SSE	.5	.9	2.4	3.5	2.0	1.2	.1				10.6	13.6
S	.2	2.9	5.5	3.8	.8	.3					13.3	10.1
SSW	.3	.6	1.8	.8							3.5	8.3
SW	.8	1.1	1.0	.5							7.3	6.7
WSW	.5	1.4	1.9	.9							4.7	7.4
W		1.4	3.0	1.0	.3	.2					5.9	9.7
WNW	.4	.8	3.0	2.9	1.1	.2					8.4	11.3
NW	.2	1.8	3.1	2.4	1.1	.9	.1				9.6	11.7
NNW	.3	1.7	3.3	4.0	1.8	1.9					12.7	13.3
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	5.3	////
TOTALS	4.5	19.4	30.6	24.4	9.2	6.2	.3				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	2.6	2.7	3.1	1.5	.9					11.2	11.3
NNE	.1	1.2	.3	.4							2.0	6.8
NE	.3	1.0	.2								1.5	5.3
ENE		1.1	.3								1.4	5.6
E		1.3	.9	.1							2.3	6.5
ESE	.2	1.0	.3	.1							1.6	5.6
SE	.2	1.1	.6	.8	.1	.1					2.9	9.1
SSE	.3	1.4	1.8	4.5	1.7	1.0	.3				11.1	13.4
S	.5	3.0	4.2	3.8	.9	.3					12.7	9.9
SSW	.1	1.4	2.3	.5	.2						4.5	8.3
SW	.5	1.6	1.3	1.4	.2						5.1	8.0
WSW	.6	1.7	1.2	.5	.2						4.3	7.1
W	.3	2.5	2.6	.3	.3	.1	.2				6.3	8.5
WNW	.2	1.3	2.6	1.6	.4						6.1	9.6
NW	.5	1.8	2.5	3.1	.8	.6					9.4	10.9
NNW	.4	1.9	1.4	2.0	1.7	1.5	.1				9.1	13.3
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	8.5	/
TOTALS	4.9	25.8	25.2	22.4	8.1	4.5	.6				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40		
N	.2	1.7	2.4	3.0	1.3	1.7			9.1	12.7
NNE	.3	.6	.6	.2					1.9	6.7
NE	.3	.9	.2						1.4	5.2
LNE	.2	1.2							1.4	4.6
E		.8	.6	.2					1.6	7.2
ESE	.1	.9	.3	.2					1.5	6.4
SE	.1	1.1	1.4	1.1					3.7	8.1
SSE	.6	1.9	3.1	4.2	1.7	.4			12.0	11.6
S	.9	4.0	6.2	4.9	.5	.3			16.9	9.2
SSW	.1	1.3	1.7	.4	.4				4.0	8.7
SW	.2	1.2	1.8	.8	.1				4.1	8.0
WSW	.6	1.7	2.5	.4	.2				5.5	7.5
W	.4	2.8	2.3	.8	.5	.3			6.9	8.9
WNW	.1	2.0	2.2	1.8	.1				6.2	8.8
NW	.4	1.9	2.0	2.5	1.3	.1			8.3	10.8
NNW	.6	1.3	1.7	2.7	2.3	.5			9.1	12.6
VARIABLE										
CALM	//////////								6.3	////
TOTALS	5.4	24.7	29.1	23.2	8.5	2.7			100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	1.8	2.5	3.4	1.7	.8	.1	.0			10.7	12.3
NNE	.2	.8	.8	.3	.1	.3					2.1	7.4
NE	.2	.7	.5	.1							1.5	6.4
ENE	.1	.7	.3	.1							1.3	6.2
E	.1	.7	.6	.2							1.6	7.0
ESE	.2	.6	.4	.3							1.5	7.1
SE	.1	.8	.9	1.1	.2	.0	.0				3.2	9.8
SSL	.3	1.4	2.5	4.1	2.0	.7	.1				11.0	12.6
S	.4	3.7	5.9	4.3	.6	.2	.0				15.2	9.4
SSW	.2	1.4	1.9	.6	.1						4.2	7.9
SW	.3	1.5	1.3	.8	.1						4.0	7.7
WSW	.4	1.4	1.7	.6	.1						4.2	7.5
W	.3	1.9	3.0	1.3	.3	.1	.0				7.1	8.9
WNW	.3	1.2	2.2	2.1	.6	.2					6.5	10.5
NW	.4	1.6	2.4	2.9	1.3	.4	.0				9.1	11.5
NNW	.3	1.2	2.3	2.5	1.8	1.1	.2	.0			10.3	13.4
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	6.5	/
TOTALS	9.3	21.4	29.3	25.7	8.8	3.6	.4	.0			100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.4	2.1	3.2	3.8	1.5	.6	.1	.0			11.7	11.6
NNE	.3	1.1	1.5	1.0	.1	.0					4.0	8.7
NE	.2	1.2	1.3	.5	.0	.0					3.3	7.6
ENE	.3	1.3	1.0	.4	.0	.0					3.0	7.2
E	.3	1.3	1.2	.4	.0	.0					3.2	7.2
ESE	.3	1.3	1.2	.5	.0	.0					3.5	7.4
SE	.2	1.2	2.2	2.3	.6	.1	.0				6.5	10.6
SSE	.2	1.3	3.2	5.3	1.8	.6	.0				12.5	12.4
S	.4	2.9	4.5	3.6	.8	.2	.0				12.5	9.8
SSW	.2	1.1	1.3	.6	.1	.0	.0				3.4	8.3
SW	.2	1.1	1.0	.5	.1	.0					2.9	7.9
WSW	.2	1.0	1.1	.5	.1	.0	.0				3.0	8.0
W	.3	1.5	1.7	1.2	.3	.1	.0	.0	.0		5.0	9.1
NNW	.2	1.1	1.5	1.4	.5	.1	.0	.0			5.0	10.4
NW	.3	1.3	2.2	2.3	.8	.3	.0	.0			7.2	11.1
NNW	.2	1.4	2.4	3.0	1.2	.5	.1	.0			9.0	12.1
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	4.6	11.1
TOTALS	4.3	22.2	30.4	27.4	8.1	2.6	.4	.1	.0		100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 87642

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87  
MONTHS: ALL HOURS/LISTED: ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE  
AND/OR

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN MILE
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.3	1.9	4.0	7.3	4.8	2.4	.4	.0			21.1	14.4
NE	.2	1.3	2.4	1.7	.4	.1					6.2	9.9
E	.3	1.6	1.5	.6	.1	.0					4.1	7.7
ENE	.1	1.3	1.4	.7	.1	.0					3.7	8.5
E	.2	1.2	1.4	.8	.1						3.7	8.2
ESE	.2	1.0	1.2	.6	.0						3.0	7.9
SE	.1	.9	1.9	2.3	.5	.1	.0				5.9	11.0
SSE	.2	1.0	2.7	4.8	1.8	.7	.1				11.1	13.1
S	.2	1.6	2.8	2.0	.4	.1					7.1	9.6
SSW	.1	.6	.4	.2	.0	.0	.0				1.2	8.1
SW	.1	.4	.4	.1	.0	.0					1.1	7.8
WSW	.1	.4	.4	.4	.0	.0					1.4	9.7
W	.1	.6	.7	.6	.2	.0					2.4	17.0
WNW	.2	.6	.8	.7	.5	.2	.1	.0			7.1	12.0
NNW	.2	.9	1.8	1.4	1.5	.1	.1	.0			7.3	13.0
NNW	.2	.9	2.8	1.3	3.2	1.7	.4	.1			14.6	14.9
VARIABLE												
CALM	/	/	/	/	/	/	/	/	/	/	2.9	//////
TOTALS	2.9	16.1	26.3	31.6	13.6	6.7	1.0	.0			100.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 15085

PPPPPP PP	AAAAAA	RRRRRRRR	TTTTTTTT	00000000
PPPPPPPPP	AAAAAAA	RRRRRRRRR	TTTTTTTTT	000000000
PP PP	AA AA	RR RR	TT	00 00
PF PP	AA AA	RR RR	TT	00 00
PPPPPPPPP	AA AA	RRRRRRRR	TT	00 00
PPPPPPPP	AAAAAAA	RRRRRRRR	TT	00 00
PP	AAAAAAA	RR RR	TT	00 00
PF	AA AA	RR RR	TT	00 00
PP	AA AA	RR RR	TT	00000000
				00000000

## CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

### CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 10 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

#### NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER; HOWEVER, SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

### SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	5/10
SCATTERED	-	3/10
DRIVEN	-	4/10
OVERCAST	-	1L/10
OFSCLRED	-	10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0000-0100

CEILING	VISIBILITY IN STATUTE MILES																	
	IN	GE	GE	GE	GE	GE	CE	GE	GF	GE	GE	GE	GE	GE	GF	GE	GE	
FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE	GE	
NO CEIL	1	47.0	49.2	50.0	50.1	50.3	50.4	50.4	50.5	50.5	50.9	50.9	50.9	51.0	51.0	51.1	51.2	
GE 24000	48.9	51.4	52.4	52.3	52.5	52.6	52.6	52.7	52.7	53.0	53.0	53.0	53.1	53.1	53.2	53.3		
GE 18000	48.9	51.4	52.2	52.3	52.5	52.6	52.6	52.7	52.7	53.0	53.0	53.0	53.1	53.1	53.2	53.3		
GE 16000	48.9	51.4	52.2	52.3	52.5	52.6	52.6	52.7	52.7	53.0	53.0	53.0	53.1	53.1	53.2	53.3		
GE 14000	49.5	51.9	52.7	52.8	53.0	53.1	53.1	53.2	53.2	53.5	53.5	53.5	53.7	53.7	53.8	53.9		
GE 12000	49.9	52.4	53.1	53.2	53.4	53.5	53.5	53.7	53.7	54.0	54.0	54.0	54.1	54.1	54.2	54.3		
GE 10000	52.6	55.1	55.8	55.9	56.1	56.2	56.2	56.3	56.3	56.7	56.7	56.7	56.8	56.8	56.9	57.0		
GE 9000	53.1	55.6	56.3	56.5	56.7	56.8	56.8	56.9	56.9	57.2	57.2	57.2	57.3	57.3	57.4	57.5		
GE 8000	54.4	56.9	57.6	57.7	58.3	58.1	58.1	58.2	58.2	58.5	58.5	58.5	58.6	58.6	58.7	58.8		
GE 7000	55.9	56.6	59.5	59.7	59.9	60.0	60.2	60.2	60.5	60.5	60.5	60.6	60.6	60.6	60.8	60.9		
GE 6000	56.0	58.9	60.2	60.4	60.6	60.8	60.9	61.0	61.0	61.4	61.4	61.4	61.5	61.5	61.6	61.7		
GE 5000	57.0	60.5	61.6	62.2	62.4	62.5	62.6	62.7	62.7	63.1	63.1	63.1	63.2	63.2	63.3	63.4		
GE 4500	57.6	61.4	63.0	63.3	63.7	63.8	63.9	64.0	64.0	64.4	64.4	64.4	64.5	64.5	64.6	64.7		
GE 4000	59.4	62.5	64.1	64.7	65.2	65.4	65.5	65.6	65.6	66.0	66.0	66.0	66.1	66.1	66.2	66.3		
GE 3500	59.2	63.8	65.0	66.7	67.1	67.3	67.4	67.5	67.5	68.0	68.0	68.0	68.1	68.1	68.2	68.3		
GE 3000	61.3	66.5	69.0	70.0	70.4	70.6	70.8	70.9	70.9	71.3	71.3	71.3	71.4	71.4	71.5	71.6		
GE 2500	64.6	70.3	73.4	74.5	74.9	75.2	75.4	75.5	75.5	75.9	75.9	75.9	76.0	76.0	76.1	76.2		
GE 2000	67.2	73.5	76.7	77.8	78.4	78.6	79.2	79.1	79.1	79.6	79.7	79.7	79.8	79.8	79.9	80.0		
GE 1500	69.7	75.2	78.4	79.8	80.4	81.1	81.4	81.5	81.5	82.3	82.2	82.3	82.3	82.4	82.5			
GE 1000	69.8	77.0	80.5	82.3	83.1	83.8	84.2	84.3	84.3	84.6	84.6	84.6	85.1	85.1	85.2	85.3		
GE 700	71.1	78.8	82.6	84.5	85.6	86.2	87.1	87.2	87.2	87.7	87.7	87.8	88.0	88.0	88.1	88.2		
GE 500	72.0	80.1	83.9	86.1	87.2	88.0	89.2	89.6	89.6	90.1	90.2	90.2	90.3	90.3	90.4	90.5		
GE 400	72.5	81.4	85.2	87.4	88.5	89.2	90.5	91.1	91.1	91.8	91.9	91.9	92.0	92.0	92.2	92.3		
GE 300	72.5	81.6	85.4	87.6	88.9	89.7	91.2	91.7	91.7	92.6	92.8	92.8	93.0	93.0	93.1	93.2		
GE 200	72.9	82.3	86.1	88.4	89.8	90.6	92.3	93.0	93.0	94.0	94.2	94.2	94.4	94.4	94.5	94.6		
GE 100	77.0	87.8	88.6	89.1	90.5	91.5	93.2	94.0	94.9	94.9	94.9	94.9	95.3	95.5	95.6	95.7		
GE 50	77.4	93.2	87.3	89.7	91.2	92.2	94.0	94.7	94.7	95.8	96.2	96.2	96.5	96.5	96.6	96.7		
GE 40	73.5	93.5	87.6	93.0	91.5	92.5	94.3	95.1	95.1	96.2	97.0	97.1	97.4	97.4	97.6	97.7		
GE 30	73.5	93.5	87.6	92.6	91.5	92.5	94.3	95.2	95.2	96.6	97.3	97.4	97.7	97.7	98.0	98.1		
GE 20	73.5	93.5	87.6	92.6	91.5	92.5	94.3	95.3	95.3	96.7	97.4	97.5	98.1	98.1	98.3	98.4		
GE 10	73.5	93.5	87.6	92.6	91.5	92.5	94.3	95.3	95.3	96.7	97.4	97.5	98.4	98.4	98.7	99.2		
GE 0	73.5	93.5	87.6	92.6	91.5	92.5	94.3	95.3	95.3	96.7	97.4	97.5	98.4	98.4	98.8	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLO FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0300-0500

CEILING FEET	VISIBILITY IN STATUTE MILES																
	1	10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	45.4	47.3	48.0	48.3	48.5	48.6	48.8	49.0	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.8	49.9
GE 20000	43.5	53.5	51.2	51.7	51.9	52.0	52.3	52.5	52.5	52.9	52.9	52.9	52.9	52.9	52.9	53.2	53.3
GE 18000	46.5	50.5	51.2	51.7	51.9	52.0	52.3	52.5	52.5	52.9	52.9	52.9	52.9	52.9	52.9	53.2	53.3
GE 16000	48.5	50.5	51.2	51.7	51.9	52.0	52.3	52.5	52.5	52.9	52.9	52.9	52.9	52.9	52.9	53.2	53.3
GE 14000	48.8	50.9	51.5	52.0	52.3	52.4	52.6	52.8	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.5	53.7
GE 12000	49.2	51.3	51.9	52.5	52.7	52.8	53.0	53.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7	54.0	54.1
GE 10000	51.9	54.4	55.1	55.6	55.9	56.0	56.2	56.5	56.5	56.9	56.9	56.9	56.9	56.9	56.9	57.2	57.3
GE 9000	52.6	55.1	55.7	56.2	56.6	56.7	56.9	57.1	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.8	58.0
GE 8000	54.0	56.5	57.1	57.6	58.0	58.1	58.3	58.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9	59.2	59.4
GE 7000	55.1	57.5	58.2	58.7	59.0	59.2	59.5	59.7	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.4	60.5
GE 6000	55.8	58.4	59.2	59.8	60.2	60.4	60.6	60.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.6	61.7
GE 5000	58.0	60.5	61.6	62.2	62.6	62.8	63.0	63.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	64.0	64.1
GE 4500	59.2	62.2	63.2	63.6	64.2	64.4	64.6	64.8	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.6	65.7
GE 4000	59.5	62.5	63.5	64.3	64.9	65.2	65.4	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.5
GE 3500	60.8	64.1	65.3	66.0	66.8	67.0	67.2	67.4	67.4	67.9	67.9	67.9	67.9	67.9	67.9	68.2	68.3
GE 3000	62.6	66.5	67.7	68.6	69.4	69.6	69.8	70.0	70.0	70.5	70.5	70.5	70.5	70.5	70.5	70.9	71.0
GE 2500	65.9	70.6	72.3	73.7	74.5	74.7	75.1	75.3	75.3	75.8	75.8	75.8	75.8	75.8	75.9	75.9	76.3
GE 2000	68.3	74.1	76.0	77.5	78.5	78.7	79.0	79.2	79.2	79.8	79.8	79.8	79.8	79.8	79.9	80.2	80.3
GE 1800	69.4	75.5	77.5	79.1	80.2	81.4	81.0	81.2	81.2	81.7	81.7	81.7	81.7	81.7	81.8	82.2	82.3
GE 1500	70.9	77.6	79.8	81.8	82.9	83.1	83.7	83.9	83.9	84.4	84.4	84.4	84.4	84.4	84.5	84.8	84.9
GE 1200	72.6	80.3	82.5	84.6	86.0	86.2	86.9	87.1	87.1	87.6	87.6	87.6	87.6	87.6	87.7	88.1	88.2
GE 1000	73.4	81.5	83.8	86.1	87.8	88.4	89.1	89.6	89.6	90.1	90.1	90.1	90.1	90.1	90.2	90.5	90.6
GE 7000	74.0	82.7	84.9	87.3	89.0	89.7	90.4	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.7	92.0	92.2
GE 3000	74.3	93.0	85.3	87.7	89.7	90.4	91.2	91.9	91.9	92.5	92.5	92.5	92.5	92.5	92.6	92.9	93.0
GE 700	74.6	83.3	85.6	88.2	90.2	91.1	91.9	92.9	92.9	93.7	93.8	93.8	93.8	93.8	93.9	94.2	94.3
GE 600	74.9	83.7	86.0	88.6	90.4	91.7	92.7	93.6	93.6	94.8	94.9	94.9	94.9	94.9	95.1	95.4	95.5
GE 500	74.9	83.9	86.3	89.0	91.2	92.4	93.3	94.5	94.5	95.9	96.1	96.1	96.2	96.2	96.6	96.7	
GE 400	74.9	84.0	86.5	89.4	91.5	92.7	93.7	94.8	94.8	96.2	96.5	96.5	96.9	96.9	97.2	97.3	
GE 300	74.9	84.1	86.6	89.7	91.9	93.1	94.3	95.5	95.5	96.9	97.1	97.1	97.5	97.5	97.8	98.0	
GE 200	74.9	84.1	86.6	89.7	91.9	93.1	94.3	95.5	95.5	97.0	97.3	97.3	98.2	98.3	98.8	98.9	
GE 100	74.9	84.1	86.6	89.7	91.9	93.1	94.3	95.5	95.5	97.0	97.3	97.3	98.6	98.7	99.6	99.8	
GE 0	74.9	84.1	86.6	89.7	91.9	93.1	94.3	95.5	95.5	97.0	97.3	97.3	98.6	98.7	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/4	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4	GE 0
NO CEIL	43.0	46.3	47.5	48.2	48.4	48.5	49.0	49.1	49.1	49.2	49.4	49.4	49.4	49.6	49.7	49.7
GE 20000	43.0	47.3	48.6	49.2	49.5	49.6	50.1	50.2	50.2	50.3	50.4	50.4	50.4	50.6	50.8	50.8
GE 18000	44.0	47.4	48.7	49.4	49.6	49.7	50.2	50.3	50.3	50.4	50.5	50.5	50.5	50.8	50.9	50.9
GE 16000	44.0	47.4	48.7	49.4	49.6	49.7	50.2	50.3	50.3	50.4	50.5	50.5	50.5	50.8	50.9	50.9
GE 14000	44.0	47.4	48.7	49.4	49.6	49.7	50.2	50.3	50.3	50.4	50.5	50.5	50.5	50.8	50.9	50.9
GE 12000	45.2	48.6	49.9	50.5	50.8	51.0	51.4	51.5	51.5	51.6	51.7	51.7	51.7	51.9	52.0	52.0
GE 10000	46.8	50.3	51.7	52.4	52.6	52.8	53.3	53.4	53.4	53.5	53.8	53.8	54.0	54.1	54.1	54.1
GE 9000	47.7	51.4	52.8	53.4	53.7	53.9	54.4	54.5	54.5	54.6	54.8	54.8	55.1	55.2	55.2	55.2
GE 8000	49.0	52.8	54.2	54.8	55.1	55.3	55.8	55.9	55.9	56.0	56.2	56.2	56.5	56.6	56.6	56.6
GE 7000	50.2	54.0	55.4	56.1	56.3	56.6	57.1	57.3	57.3	57.4	57.6	57.6	57.8	58.0	58.0	58.0
GE 6000	51.5	55.6	57.0	58.0	58.2	58.4	58.9	59.1	59.1	59.2	59.5	59.5	59.7	59.8	59.8	59.8
GE 5000	54.4	58.6	60.3	61.4	61.6	61.8	62.4	62.6	62.6	62.7	62.9	62.9	63.1	63.2	63.2	63.2
GE 4000	55.8	60.1	61.8	62.9	63.1	63.3	63.9	64.1	64.1	64.2	64.4	64.4	64.6	64.7	64.7	64.7
GE 3000	56.6	61.2	63.0	64.1	64.4	64.6	65.3	65.5	65.5	65.6	65.8	65.8	66.0	66.1	66.1	66.1
GE 3500	57.7	62.6	64.6	65.7	66.0	66.2	66.9	67.1	67.1	67.2	67.4	67.4	67.6	67.7	67.7	67.7
GE 3000	59.1	54.3	66.7	67.7	68.2	68.5	69.1	69.5	69.5	69.6	69.8	69.8	70.0	70.1	70.1	70.1
GE 25000	61.7	67.5	70.2	71.7	72.5	72.8	73.7	74.0	74.0	74.1	74.3	74.3	74.3	74.5	74.6	74.6
GE 20000	64.5	70.6	73.8	75.3	76.1	76.5	77.3	77.6	77.6	77.7	78.0	78.0	78.0	78.2	78.3	78.3
GE 18000	66.3	72.5	75.6	77.2	78.1	78.4	79.2	79.6	79.6	79.7	79.9	79.9	80.1	80.2	80.2	80.2
GE 15000	69.2	75.7	78.8	80.8	81.6	82.0	83.0	83.4	83.4	83.5	83.8	83.8	84.0	84.1	84.1	84.1
GE 12000	71.2	78.8	82.0	84.1	85.2	85.7	86.7	87.2	87.2	87.3	87.5	87.5	87.5	87.7	87.8	87.8
GE 10000	72.4	80.1	87.3	85.4	86.5	87.0	88.0	88.6	88.6	88.8	89.0	89.0	89.2	89.5	89.6	89.6
GE 9000	73.1	81.2	84.4	86.6	87.6	88.2	89.1	89.9	89.9	90.3	90.5	90.5	90.9	91.1	91.2	91.2
GE 8000	73.7	91.8	85.2	87.4	88.5	89.0	90.0	91.0	91.1	91.6	91.8	91.8	92.2	92.4	92.5	92.5
GE 7000	74.0	82.3	85.6	88.0	89.1	89.7	91.0	91.9	92.3	92.7	92.9	92.9	93.2	93.4	93.5	93.5
GE 6000	74.5	82.9	86.2	88.6	90.1	91.2	92.5	93.7	94.0	94.6	94.8	94.8	95.2	95.5	95.5	95.5
GE 5000	74.9	83.5	86.9	89.4	91.2	92.3	93.4	94.6	94.6	95.0	95.9	96.1	96.1	96.7	96.8	96.8
GE 4000	74.9	83.5	86.9	89.4	91.0	92.0	93.4	94.6	94.6	95.0	95.9	96.1	96.1	96.7	96.8	96.8
GE 3000	74.9	83.5	86.9	89.5	91.2	92.3	93.9	95.2	95.2	95.5	96.6	97.0	97.1	98.1	98.5	98.8
GE 2000	74.9	83.5	86.9	89.5	91.2	92.3	93.9	95.2	95.2	95.5	96.6	97.0	97.1	98.2	98.7	99.1
GE 1000	74.9	83.5	86.9	89.5	91.2	92.3	93.9	95.2	95.2	95.5	96.6	97.0	97.1	98.2	98.7	99.2
GE 01	74.9	83.5	86.9	89.5	91.2	92.3	93.9	95.2	95.5	96.6	97.0	97.1	98.2	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN      FOURTH ST: 0900-1100

CEILING		VISIBILITY IN STATUTE MILES																	
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	1	5/8	1/2	1/16	1/4	GE C	
NO CEIL	42.0	45.4	46.1	46.9	47.2	47.4	47.6	47.7	47.7	47.8	48.0	48.0	48.1	48.1	48.3	48.3	48.3	48.3	
GE 20000	45.4	49.8	50.5	51.4	51.9	52.2	52.4	52.5	52.5	52.6	52.7	52.7	53.1	53.1	53.3	53.3	53.3	53.3	
GE 18000	45.8	50.2	51.0	51.6	52.4	52.6	52.8	52.9	52.9	53.0	53.1	53.1	53.5	53.5	53.8	53.8	53.8	53.8	
GE 16000	45.8	50.2	51.0	51.8	52.4	52.6	52.8	52.9	52.9	53.0	53.1	53.1	53.5	53.5	53.8	53.8	53.8	53.8	
GE 14000	45.8	50.2	51.0	51.8	52.4	52.6	52.8	52.9	52.9	53.0	53.1	53.1	53.5	53.5	53.8	53.8	53.8	53.8	
GE 12000	46.0	50.6	51.4	52.3	52.8	53.0	53.2	53.3	53.3	53.5	53.8	53.8	54.2	54.2	54.4	54.4	54.4	54.4	
GE 10000	47.2	52.5	53.2	54.1	54.6	54.8	55.1	55.3	55.3	55.5	55.7	55.7	56.1	56.1	56.3	56.3	56.3	56.3	
GE 9000	48.2	54.2	54.9	55.8	56.3	56.7	56.9	57.1	57.1	57.3	57.5	57.5	58.0	58.0	58.2	58.2	58.2	58.2	
GE 8000	49.6	55.8	56.6	57.4	58.2	58.5	58.7	58.9	58.9	59.1	59.5	59.5	59.9	59.9	60.1	60.1	60.1	60.1	
GE 7000	50.4	56.8	56.8	57.5	58.5	59.2	59.6	59.8	60.0	60.0	60.4	60.8	61.2	61.2	61.4	61.4	61.4	61.4	
GE 5000	51.8	58.3	59.0	60.0	60.9	61.2	61.4	61.6	61.6	62.0	62.4	62.4	62.8	62.8	63.0	63.0	63.0	63.0	
GE 5000	53.9	60.4	61.3	62.3	63.1	63.4	63.7	63.9	63.9	64.3	64.6	64.6	65.1	65.1	65.3	65.3	65.3	65.3	
GE 4500	55.3	61.9	62.6	63.8	64.6	64.9	65.3	65.5	65.5	66.0	66.3	66.3	66.9	66.9	67.0	67.0	67.0	67.0	
GE 4000	56.1	63.2	64.3	65.3	66.1	66.5	66.9	67.1	67.1	67.6	68.0	68.0	68.4	68.4	68.6	68.6	68.6	68.6	
GE 3500	57.1	64.5	65.6	66.7	67.6	68.1	68.5	68.7	68.7	69.2	69.6	69.6	70.0	70.0	70.2	70.2	70.2	70.2	
GE 3000	59.0	66.0	67.2	68.3	69.2	69.7	70.1	70.6	70.6	71.2	71.5	71.5	71.9	71.9	72.2	72.2	72.2	72.2	
GE 2500	59.8	68.2	69.6	71.1	72.2	72.7	73.2	73.9	73.9	74.4	74.7	74.7	75.2	75.2	75.4	75.4	75.4	75.4	
GE 2200	61.2	70.2	72.0	73.8	74.9	75.6	76.5	77.4	77.4	78.0	78.3	78.3	78.7	78.7	78.9	78.9	78.9	78.9	
GE 1800	61.6	70.8	72.6	74.4	75.6	76.5	77.1	78.1	78.1	78.6	78.9	78.9	79.4	79.4	79.6	79.6	79.6	79.6	
GE 1500	63.7	73.2	75.1	77.1	78.3	79.1	79.8	81.1	81.1	81.7	82.0	82.0	82.5	82.5	82.7	82.7	82.7	82.7	
GE 1200	65.1	75.6	77.5	79.6	80.8	81.6	82.4	83.9	84.0	84.7	85.1	85.1	85.5	85.5	85.7	85.7	85.7	85.7	
GE 1000	66.0	77.4	79.5	81.6	83.0	84.4	85.3	87.3	87.4	88.3	88.7	88.7	89.1	89.1	89.4	89.4	89.4	89.4	
GE 900	67.0	78.6	80.6	82.9	84.4	85.8	87.0	89.0	89.2	90.2	90.6	90.6	91.1	91.1	91.3	91.3	91.3	91.3	
GE 800	67.2	79.1	81.2	83.4	84.9	86.5	87.7	89.9	90.1	91.2	91.6	91.6	92.0	92.0	92.3	92.3	92.3	92.3	
GE 700	67.2	79.6	81.7	84.0	85.6	87.3	88.8	91.1	91.3	92.5	92.9	92.9	93.3	93.3	93.5	93.5	93.5	93.5	
GE 600	67.4	80.0	82.2	84.5	86.7	88.4	89.9	92.4	92.9	94.5	95.1	95.1	95.5	95.5	95.7	95.7	95.7	95.7	
GE 500	67.4	82.2	84.5	86.7	88.4	90.4	93.3	94.3	94.3	96.2	97.2	97.6	98.6	98.6	99.1	99.1	99.1	99.1	
GE 400	67.4	82.4	84.7	86.9	88.6	90.1	92.6	93.7	95.4	96.1	96.3	96.8	96.8	97.0	97.0	97.0	97.0	97.0	
GE 300	67.4	83.0	82.5	84.8	87.0	88.7	90.4	93.3	94.3	96.2	97.1	97.3	97.8	97.8	98.1	98.1	98.1	98.1	
GE 200	67.4	84.0	82.5	84.6	87.1	88.7	90.4	93.5	94.3	96.2	97.2	97.6	98.6	98.6	99.1	99.1	99.1	99.1	
GE 100	67.4	85.0	82.5	84.8	87.0	88.7	90.4	93.3	94.3	96.2	97.2	97.6	98.6	98.6	99.0	99.0	99.0	99.0	
GE 0	67.4	86.0	82.5	84.8	87.7	88.7	90.4	93.3	94.3	96.2	97.2	97.8	98.6	98.6	99.5	99.5	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 933

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE																
10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	10
NO CEIL	45.3	47.8	48.2	48.6	49.4	49.7	50.0	50.1	50.1	50.2	50.2	50.3	50.3	50.4	50.5	50.8		
GE 20000	49.5	52.6	52.9	53.5	54.4	54.7	55.2	55.3	55.4	55.6	55.8	55.9	56.0	56.5	56.6	56.8		
GE 18000	48.4	52.7	53.6	53.7	54.5	54.8	55.3	55.4	55.5	55.7	55.9	56.0	56.1	56.6	56.7	56.9		
GE 16000	48.5	52.7	53.0	53.7	54.5	54.6	55.3	55.4	55.5	55.7	55.9	56.0	56.1	56.6	56.7	56.9		
GE 14000	48.6	52.9	53.2	53.9	54.7	55.1	55.5	55.6	55.7	55.9	56.1	56.2	56.3	56.8	56.9	57.1		
GE 12000	49.7	54.4	54.7	55.4	56.2	56.6	57.0	57.1	57.2	57.4	57.6	57.7	57.8	58.3	58.4	58.6		
GE 10000	51.1	56.0	56.3	57.0	57.8	58.2	58.6	58.7	58.8	59.0	59.2	59.4	59.5	59.9	60.0	60.2		
GE 9000	51.0	57.0	57.3	58.0	58.8	59.1	59.6	59.7	59.8	60.0	60.2	60.3	60.4	60.9	61.0	61.2		
GE 8000	53.0	58.5	58.9	59.6	60.4	60.8	61.3	61.5	61.6	61.8	62.0	62.2	62.3	62.7	62.8	63.0		
GE 7000	53.7	59.2	59.7	60.3	61.2	61.5	62.0	62.3	62.4	62.6	62.8	62.9	63.0	63.4	63.5	63.8		
GE 6000	54.8	60.6	61.2	61.9	62.8	63.1	63.8	64.0	64.1	64.3	64.5	64.6	64.7	65.2	65.3	65.5		
GE 5000	56.0	61.9	62.7	63.4	64.5	64.9	65.6	65.8	65.9	66.1	66.3	66.5	66.6	67.0	67.1	67.3		
GE 4500	56.9	63.1	63.9	64.6	65.7	66.1	66.8	67.0	67.1	67.3	67.5	67.6	67.7	68.2	68.3	68.5		
GE 4000	57.6	64.0	64.7	65.5	66.6	67.0	67.6	67.8	68.0	68.2	68.4	68.5	68.6	69.0	69.1	69.4		
GE 3500	58.4	65.4	66.1	67.0	68.2	68.6	69.2	69.7	69.8	70.0	70.2	70.3	70.4	70.9	71.0	71.2		
GE 3000	59.5	67.0	68.0	68.8	70.0	70.4	71.2	71.6	71.7	71.9	72.2	72.3	72.4	72.8	72.9	73.1		
GE 2500	61.0	69.5	70.6	71.7	72.9	73.4	74.4	74.9	75.1	75.3	75.5	75.6	75.7	76.1	76.2	76.5		
GE 2000	63.4	72.7	74.1	75.5	76.7	77.4	78.7	79.2	79.4	79.6	79.8	79.9	80.0	80.4	80.5	80.8		
GE 1800	64.0	73.3	74.8	76.2	77.4	78.2	79.5	80.0	80.1	80.3	80.5	80.6	80.8	81.2	81.3	81.5		
GE 1500	64.5	74.5	76.3	77.7	78.9	79.6	81.2	81.8	82.3	83.2	83.4	83.5	83.7	84.1	84.2	84.4		
GE 1200	66.5	77.6	79.7	81.2	82.4	83.3	84.9	86.0	86.7	87.6	87.8	88.0	88.2	88.6	88.7	88.9		
GE 1000	67.3	79.1	81.2	82.7	84.0	84.9	87.1	88.6	89.4	90.6	91.3	91.2	91.4	91.8	91.9	92.2		
GE 900	67.6	79.9	81.9	83.4	84.8	85.8	88.1	89.7	90.4	91.7	92.2	92.4	92.6	93.0	93.1	93.3		
GE 800	68.0	82.1	82.4	84.0	85.5	86.6	88.9	90.6	91.5	92.9	93.3	93.5	93.8	94.2	94.3	94.5		
GE 700	68.0	80.4	82.7	84.3	85.9	87.1	89.7	91.5	92.4	94.0	94.4	94.6	94.9	95.4	95.5	95.7		
GE 600	68.0	83.1	84.6	86.5	87.8	90.5	92.5	93.4	95.5	96.0	96.5	96.9	97.3	97.4	97.6			
GE 500	68.0	80.5	83.1	84.9	86.6	88.1	90.8	92.9	93.9	95.9	96.5	96.9	97.3	97.7	97.8	98.1		
GE 400	68.0	80.5	83.1	84.9	86.6	88.2	91.1	93.2	94.3	96.7	97.4	97.8	98.6	99.0	99.1	99.4		
GE 300	68.0	80.5	83.1	84.9	86.6	88.2	91.1	93.2	94.3	96.7	97.4	98.0	98.7	99.1	99.2	99.5		
GE 200	68.0	80.5	83.1	84.9	86.6	88.2	91.1	93.2	94.3	96.7	97.4	98.0	98.7	99.1	99.2	99.5		
GE 100	68.0	80.5	83.1	84.9	86.6	88.2	91.1	93.2	94.3	96.7	97.4	98.0	98.7	99.1	99.4	99.9		
GE 0	68.0	80.5	83.1	84.9	86.6	88.2	91.1	93.2	94.3	96.7	97.4	98.0	98.7	99.1	99.4	100.0		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1 GE 1C	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.9	46.2	46.6	46.9	47.6	47.6	47.8	48.0	48.0	48.3	48.4	48.4	48.4	48.5	48.5	48.5
GE 2000	48.2	51.6	51.9	52.3	53.2	53.2	53.5	53.7	53.7	54.1	54.4	54.4	54.4	54.6	54.6	54.6
GE 1800	49.4	51.8	52.2	52.5	53.4	53.4	53.8	53.9	53.9	54.3	54.6	54.6	54.6	54.8	54.8	54.8
GE 1600	49.4	51.6	52.2	52.5	53.4	53.4	53.8	53.9	53.9	54.3	54.6	54.6	54.6	54.8	54.8	54.8
GE 1400	48.7	52.3	52.6	52.9	53.9	53.9	54.2	54.3	54.3	54.7	55.1	55.1	55.1	55.3	55.3	55.3
GE 1200	49.4	52.9	53.2	53.7	54.6	54.6	55.1	55.2	55.2	55.6	55.9	55.9	55.9	56.1	56.1	56.1
GE 1000	50.8	54.5	54.9	55.6	56.7	56.8	57.3	57.4	57.4	57.6	58.2	58.2	58.2	58.4	58.4	58.4
GE 900	51.7	55.7	56.1	56.9	58.0	58.1	58.6	58.7	58.7	59.1	59.5	59.5	59.5	59.7	59.7	59.7
GE 800	52.9	57.2	57.6	58.3	59.5	59.6	60.1	60.2	60.2	60.8	61.1	61.1	61.1	61.3	61.3	61.3
GE 700	54.7	59.4	59.8	60.4	61.6	61.7	62.4	62.5	62.5	63.0	63.3	63.3	63.3	63.5	63.5	63.5
GE 600	56.1	60.9	61.3	62.0	63.2	63.3	64.1	64.2	64.2	64.7	65.1	65.1	65.1	65.3	65.3	65.3
GE 500	58.0	63.0	63.4	64.2	65.4	65.5	66.3	66.5	66.5	67.0	67.3	67.3	67.3	67.5	67.5	67.5
GE 400	58.5	63.8	64.4	65.2	66.3	66.5	67.4	67.5	67.5	68.1	68.4	68.4	68.4	68.6	68.6	68.6
GE 300	58.9	64.2	65.1	65.8	67.0	67.1	68.1	68.3	68.4	68.9	69.2	69.2	69.2	69.5	69.5	69.5
GE 300	60.0	65.6	66.6	67.3	68.7	68.8	69.9	70.1	70.3	70.9	71.2	71.2	71.2	71.4	71.4	71.4
GE 300	62.0	68.1	69.0	69.8	71.3	71.4	72.5	72.8	73.0	73.7	74.0	74.0	74.0	74.2	74.2	74.2
GE 2500	63.1	69.7	70.9	71.6	73.4	73.5	74.7	75.2	75.4	76.2	76.6	76.7	76.7	76.9	76.9	76.9
GE 2000	65.1	71.8	73.1	73.9	75.8	76.1	77.7	78.3	78.5	79.5	79.8	79.9	79.9	80.1	80.1	80.1
GE 1900	66.1	72.9	74.2	74.9	76.9	77.3	78.9	79.5	79.7	80.6	81.0	81.1	81.1	81.3	81.3	81.3
GE 1500	67.1	74.2	75.8	76.8	78.8	79.6	81.3	82.4	82.8	83.8	84.2	84.3	84.3	84.5	84.5	84.5
GE 1200	69.6	77.1	79.1	80.5	82.7	83.5	85.4	86.5	86.9	88.0	88.4	88.5	88.5	88.7	88.7	88.7
GE 1000	70.4	78.1	80.2	81.8	84.2	85.2	87.5	88.6	89.1	90.4	91.5	91.6	91.7	91.9	91.9	91.9
GE 900	70.9	78.7	81.0	82.6	84.9	85.9	89.4	89.7	90.2	92.0	92.8	93.0	93.2	93.3	93.3	93.3
GE 800	71.3	79.2	81.8	83.4	85.9	86.9	89.5	91.0	91.5	93.5	94.3	94.4	94.6	94.8	94.9	94.9
GE 700	71.6	79.6	82.2	83.8	86.2	87.2	89.9	91.6	92.6	94.8	95.9	96.0	96.2	96.5	96.6	96.6
GE 600	71.7	79.6	82.6	84.5	87.0	88.0	90.6	92.6	93.3	95.6	96.8	96.9	97.2	97.4	97.5	97.5
GE 500	71.7	79.9	82.7	84.6	87.1	88.1	90.8	92.8	93.7	96.0	97.3	97.4	97.7	98.0	98.1	98.1
GE 400	71.7	79.9	82.7	84.8	87.3	88.3	91.0	93.0	93.9	96.2	97.5	97.6	98.0	98.2	98.3	98.6
GE 300	71.7	79.9	82.7	84.8	87.3	88.3	91.0	93.0	93.9	96.3	97.6	97.7	98.1	98.3	98.4	98.7
GE 200	71.7	79.9	82.7	84.8	87.3	88.3	91.0	93.0	93.9	96.3	98.1	98.2	98.7	98.9	99.0	99.4
GE 100	71.7	79.9	82.7	84.8	87.3	88.3	91.0	93.0	93.9	96.3	98.1	98.2	98.7	98.9	99.0	99.4
GE 0	71.7	79.9	82.7	84.8	87.3	88.3	91.0	93.0	93.9	96.3	98.1	98.2	98.7	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1900-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	47.3	49.2	49.7	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.3
GE 20000	49.9	51.8	52.3	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.2
GE 18000	49.9	51.8	52.3	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.2
GE 16000	49.9	51.8	52.3	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.2
GE 14000	50.3	52.3	52.7	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.7
GE 12000	51.3	53.3	53.8	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.7
GE 10000	52.9	55.2	55.7	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.3
GE 9000	53.4	55.7	56.2	56.9	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8
GE 8000	54.8	57.2	57.7	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.4
GE 7000	56.5	59.9	60.9	61.6	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.6
GE 6000	57.4	60.9	61.8	62.6	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.7
GE 5000	59.6	63.3	64.4	65.4	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.6
GE 4500	60.8	64.7	66.0	67.0	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.2
GE 4000	62.0	66.2	67.5	68.5	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.7
GE 3500	63.0	67.5	69.1	70.1	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.3
GE 3000	64.4	69.5	71.4	72.5	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7	73.7	73.8
GE 2500	66.0	71.7	73.7	74.7	75.8	76.0	76.1	76.1	76.1	76.1	76.2	76.5	76.5	76.5	76.6	
GE 2000	69.0	75.6	77.6	78.7	80.0	80.2	80.4	80.6	80.6	80.6	80.8	80.9	81.1	81.1	81.1	81.2
GE 1800	69.7	76.3	78.4	79.7	81.1	81.3	81.6	81.8	81.8	81.9	82.0	82.3	82.3	82.3	82.4	
GE 1500	71.4	78.8	81.3	82.7	84.1	84.5	84.8	85.3	85.3	85.4	85.5	85.7	85.7	85.7	85.8	
GE 1200	72.5	80.2	82.7	84.3	86.1	86.7	87.1	87.6	87.6	87.7	87.8	88.2	88.2	88.2	88.2	88.3
GE 1000	73.3	81.7	84.3	86.2	88.3	88.9	89.8	91.0	91.0	91.2	91.3	91.6	91.6	91.6	91.7	
GE 900	73.8	82.2	84.7	86.7	88.8	89.7	90.6	91.8	91.8	92.2	92.3	92.7	92.7	92.7	92.8	92.9
GE 800	74.2	83.0	85.9	88.0	90.1	91.0	91.9	93.2	93.2	93.5	93.7	94.1	94.1	94.1	94.2	94.3
GE 700	74.4	83.8	86.9	88.9	91.3	92.2	93.1	94.6	94.6	95.3	95.8	96.2	96.2	96.2	96.3	96.5
GE 600	74.5	83.9	87.1	89.1	91.6	92.6	93.5	95.1	95.1	95.7	96.2	96.7	96.7	96.7	96.8	96.9
GE 500	74.8	84.3	87.5	89.7	92.2	93.1	94.1	95.6	95.6	96.2	96.9	97.2	97.2	97.2	97.3	97.4
GE 400	74.8	84.3	87.5	89.7	92.2	93.1	94.3	96.0	96.0	96.7	97.2	97.6	97.6	97.6	97.7	98.2
GE 300	74.8	84.3	87.5	89.7	92.2	93.1	94.3	96.1	96.2	96.9	97.4	97.8	97.8	97.8	98.0	98.4
GE 200	74.8	84.3	87.5	89.7	92.2	93.1	94.3	96.2	96.3	97.0	97.7	98.2	98.3	98.3	98.4	98.8
GE 100	74.8	84.3	87.5	89.7	92.2	93.1	94.3	96.2	96.3	97.0	97.7	98.2	98.4	98.4	98.6	99.0
GE 0	74.8	84.3	87.5	89.7	92.2	93.1	94.3	96.2	96.3	97.0	97.7	98.2	98.4	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	47.1	49.7	50.0	50.3	50.6	50.8	51.2	51.3	51.3	51.4	51.4	51.4	51.8	51.8	51.8	51.8
GE 2000	49.0	51.6	52.0	52.4	52.9	53.0	53.4	53.5	53.5	53.7	53.7	53.7	54.1	54.1	54.1	54.1
GE 1800	49.0	51.6	52.0	52.4	52.9	53.0	53.4	53.5	53.5	53.7	53.7	53.7	54.1	54.1	54.1	54.1
GE 1600	49.0	51.6	52.0	52.4	52.9	53.0	53.4	53.5	53.5	53.7	53.7	53.7	54.1	54.1	54.1	54.1
GE 1400	49.2	51.8	52.3	52.6	53.1	53.2	53.7	53.6	53.8	53.9	53.9	54.3	54.3	54.3	54.3	54.3
GE 1200	50.4	53.0	53.4	53.8	54.3	54.4	54.8	54.9	54.9	55.1	55.1	55.5	55.5	55.5	55.5	55.5
GE 1000	53.2	55.8	56.3	56.8	57.3	57.4	57.8	58.0	58.0	58.1	58.1	58.1	58.5	58.5	58.5	58.5
GE 900	53.5	56.2	56.8	57.2	57.7	57.8	58.3	58.4	58.4	58.5	58.5	58.5	58.9	58.9	58.9	58.9
GE 800	54.6	57.4	58.0	58.4	58.9	59.0	59.5	59.6	59.6	59.7	59.7	59.7	60.1	60.1	60.1	60.1
GE 700	55.7	58.7	59.4	59.8	60.3	60.4	60.9	61.0	61.0	61.1	61.1	61.1	61.5	61.5	61.5	61.5
GE 600	56.2	59.9	60.5	61.0	61.5	61.6	62.0	62.2	62.2	62.3	62.3	62.3	62.7	62.7	62.7	62.7
GE 500	57.8	62.4	63.1	63.7	64.3	64.4	64.8	64.9	64.9	65.1	65.1	65.1	65.5	65.5	65.5	65.5
GE 4500	58.5	63.4	64.2	64.8	65.5	65.6	66.0	66.1	66.1	66.2	66.2	66.2	66.7	66.7	66.7	66.7
GE 4000	60.1	65.3	66.1	66.8	67.5	67.6	68.1	68.2	68.2	68.3	68.3	68.3	68.7	68.7	68.7	68.7
GE 3500	61.1	66.9	67.8	68.6	69.4	69.5	69.9	70.0	70.0	70.1	70.1	70.1	70.5	70.5	70.5	70.5
GE 3000	63.7	70.0	71.1	71.9	72.7	72.8	73.2	73.3	73.3	73.4	73.4	73.4	73.9	73.9	73.9	73.9
GE 2500	65.9	73.2	74.5	75.5	76.6	76.7	77.1	77.2	77.2	77.3	77.3	77.3	77.7	77.7	77.7	77.7
GE 2000	68.2	76.2	77.6	78.7	79.9	80.0	80.4	80.6	80.6	80.8	80.8	80.8	81.2	81.2	81.2	81.2
GE 1800	69.4	77.6	79.0	80.2	81.6	81.7	82.3	82.5	82.5	82.6	82.6	82.6	83.0	83.0	83.0	83.0
GE 1500	71.1	80.4	82.0	83.4	85.2	85.3	85.8	86.2	86.2	86.3	86.3	86.3	86.8	86.8	86.8	86.8
GE 1200	72.6	82.6	84.2	86.1	88.2	88.3	88.8	89.2	89.2	89.4	89.4	89.4	89.8	89.8	89.8	89.8
GE 1000	72.9	83.7	85.7	88.1	90.3	90.5	91.2	91.9	91.9	92.2	92.2	92.2	92.6	92.6	92.6	92.6
GE 900	73.2	84.1	86.3	88.7	91.2	91.4	92.2	93.2	93.2	93.4	93.4	93.4	93.9	93.9	93.9	93.9
GE 800	73.8	84.9	87.3	89.9	92.6	92.9	93.7	94.7	94.7	95.1	95.1	95.1	95.5	95.5	95.5	95.5
GE 700	74.1	95.5	88.0	90.6	93.4	93.8	94.5	95.6	95.6	95.9	96.0	96.0	96.5	96.5	96.5	96.5
GE 600	74.1	85.7	88.3	91.0	93.9	94.2	94.9	96.0	96.0	96.3	96.5	96.5	97.0	97.0	97.0	97.0
GE 500	74.4	96.0	88.6	91.3	94.1	94.5	95.3	96.5	96.5	96.9	97.0	97.0	97.5	97.5	97.5	97.5
GE 400	74.5	96.1	88.8	91.6	94.4	94.8	95.6	96.9	96.9	97.4	97.5	97.5	98.1	98.1	98.1	98.1
GE 300	74.5	86.1	88.6	91.6	94.4	94.8	95.6	96.9	96.9	97.4	97.6	97.6	98.2	98.2	98.2	98.2
GE 200	74.5	86.1	88.8	91.6	94.5	94.9	95.7	97.1	97.1	97.6	97.8	97.8	98.4	98.4	98.4	98.4
GE 100	74.5	86.1	88.8	91.6	94.5	94.9	95.7	97.1	97.1	97.6	97.8	97.8	98.4	98.4	98.4	98.4
GE 0	74.5	96.1	88.8	91.6	94.5	94.9	95.7	97.1	97.1	97.6	97.8	97.8	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	45.1	47.7	48.3	48.7	49.0	49.1	49.4	49.5	49.5	49.7	49.7	49.7	49.8	49.9	50.0	50.1		
GE 20000	47.8	50.8	51.5	51.9	52.4	52.5	52.8	52.9	52.9	53.1	53.2	53.3	53.4	53.5	53.6	53.7		
GE 18000	47.9	50.9	51.6	52.0	52.5	52.6	52.9	53.0	53.0	53.3	53.4	53.5	53.6	53.7	53.8			
GE 16000	47.9	50.9	51.6	52.0	52.5	52.6	52.9	53.0	53.0	53.3	53.3	53.4	53.5	53.6	53.7	53.8		
GE 14000	48.1	51.2	51.8	52.3	52.8	52.9	53.2	53.3	53.3	53.5	53.6	53.6	53.8	53.9	54.0	54.1		
GE 12000	48.9	52.1	52.7	53.2	53.7	53.8	54.1	54.2	54.2	54.4	54.5	54.6	54.7	54.8	54.9	55.0		
GE 10000	50.8	54.2	54.9	55.5	56.0	56.2	56.5	56.6	56.6	56.8	56.9	57.0	57.1	57.2	57.3	57.4		
GE 9000	51.5	55.1	55.8	56.3	56.9	57.1	57.4	57.5	57.5	57.7	57.9	57.9	58.0	58.1	58.2	58.3		
GE 8000	52.8	56.5	57.2	57.8	58.4	58.5	58.9	59.0	59.0	59.2	59.4	59.4	59.5	59.7	59.8	59.8		
GE 7000	54.0	58.0	58.8	59.4	60.0	60.2	60.5	60.7	60.7	60.9	61.1	61.1	61.2	61.3	61.5	61.5		
GE 6000	55.0	59.2	60.0	60.7	61.4	61.5	61.9	62.0	62.1	62.3	62.5	62.5	62.6	62.7	62.8	62.9		
GE 5000	56.8	61.3	62.4	63.1	63.8	64.0	64.3	64.5	64.5	64.8	64.9	64.9	65.1	65.2	65.3	65.4		
GE 4500	57.8	62.6	63.7	64.4	65.1	65.3	65.7	65.9	65.9	66.2	66.3	66.3	66.5	66.6	66.7	66.8		
GE 4000	58.7	63.6	64.8	65.6	66.4	66.6	67.0	67.2	67.2	67.5	67.6	67.7	67.8	67.9	68.0	68.1		
GE 3500	59.7	65.0	66.4	67.3	68.1	68.3	68.8	69.0	69.0	69.3	69.4	69.4	69.6	69.7	69.8	69.9		
GE 3000	61.3	67.2	68.8	69.7	70.6	70.8	71.3	71.5	71.6	71.9	72.0	72.1	72.2	72.3	72.4	72.5		
GE 2500	63.6	70.1	71.9	73.1	74.1	74.4	75.0	75.3	75.3	75.6	75.8	75.8	76.0	76.1	76.2	76.3		
GE 2000	65.9	73.1	75.1	76.4	77.5	77.9	78.6	79.0	79.1	79.4	79.6	79.7	79.8	79.9	80.0	80.1		
GE 1800	66.9	74.3	76.3	77.7	78.9	79.4	80.1	80.5	80.6	80.9	81.1	81.2	81.3	81.4	81.5	81.6		
GE 1500	68.5	76.4	78.7	80.3	81.6	82.2	83.0	83.5	83.7	84.2	84.3	84.4	84.5	84.6	84.7	84.8		
GE 1200	70.1	78.9	81.3	83.1	84.6	85.2	86.2	86.8	87.0	87.5	87.7	87.8	87.9	88.0	88.1	88.2		
GE 1000	71.0	80.2	82.7	84.8	86.4	87.2	88.4	89.4	89.6	90.3	90.5	90.6	90.8	90.9	91.0	91.1		
GE 900	71.1	81.1	83.6	85.7	87.4	88.2	89.5	90.7	90.9	91.7	91.9	92.0	92.2	92.3	92.5	92.5		
GE 800	71.9	81.6	84.3	86.4	88.3	89.1	90.5	91.8	92.0	92.9	93.1	93.2	93.5	93.6	93.7	93.8		
GE 700	72.1	82.1	84.8	87.0	89.0	89.9	91.4	92.6	93.1	94.1	94.5	94.6	94.8	94.9	95.1	95.1		
GE 600	72.3	82.4	85.3	87.5	89.6	90.7	92.2	93.7	94.1	95.3	95.7	95.8	96.1	96.2	96.4	96.4		
GE 500	72.5	82.7	85.6	87.9	90.0	91.1	92.7	94.2	94.6	95.9	96.4	96.8	96.9	97.1	97.1			
GE 400	72.5	82.7	85.7	88.1	90.2	91.3	92.9	94.6	94.9	96.3	96.9	97.0	97.4	97.5	97.6	97.8		
GE 300	72.5	82.8	85.7	88.1	90.3	91.4	93.1	94.8	95.2	96.7	97.3	97.5	97.9	98.0	98.1	98.3		
GE 200	72.5	82.8	85.7	88.1	90.3	91.4	93.1	94.9	95.3	96.8	97.5	97.7	98.4	98.6	98.8	99.0		
GE 100	72.5	82.8	85.7	88.1	90.3	91.4	93.1	94.9	95.3	96.8	97.5	97.7	98.5	98.7	99.1	99.5		
GE 51	72.5	82.8	85.7	88.1	90.3	91.4	93.1	94.9	95.3	96.8	97.5	97.7	98.5	98.6	99.2	100.0		

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87

MONTH: FEB FOURS(LIST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1 GE 6 GE 5 GE 4 GE 3 2 1 1/2 2 1 1 1/2 1 3/4 5/8 1/2 5/16 GE 1/4 0	43.0	46.3	46.7	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.9
NO CEIL	43.0	46.3	46.7	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.9
GE 20000	45.2	47.6	48.0	48.3	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.2
GE 18000	45.3	47.8	48.1	48.5	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.3
GE 16000	45.3	47.8	48.1	48.5	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.3
GE 14000	45.6	48.1	48.5	48.8	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.6
GE 12000	46.0	48.7	49.1	49.4	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.2
GE 10000	48.6	51.7	52.2	52.6	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.4
GE 9000	49.3	52.5	53.2	53.5	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.4	54.4
GE 8000	50.5	53.6	54.5	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.7
GE 7000	51.2	55.2	55.9	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	57.1	57.1
GE 6000	52.4	56.4	57.1	57.4	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.3	58.3
GE 5000	53.4	58.0	58.7	59.2	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.4	60.4
GE 4500	55.1	60.5	61.3	61.8	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.0	63.0
GE 4000	55.9	61.6	62.5	63.0	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.5
GE 3500	57.0	63.0	63.9	64.7	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.2	66.2
GE 3000	59.7	66.3	67.6	68.4	69.6	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.2	70.2
GE 2500	62.1	69.3	70.7	71.5	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.3	73.3
GE 2000	64.4	72.2	73.6	74.7	76.0	76.1	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.7	76.7
GE 1800	65.8	74.0	75.5	76.5	77.8	78.0	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	78.7
GE 1500	67.3	75.8	77.3	78.3	79.6	79.8	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.7	80.7
GE 1200	69.1	78.3	79.8	80.9	82.2	82.4	82.7	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8
GE 1000	69.9	79.2	80.9	82.3	84.2	84.5	85.0	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.2
GE 900	70.9	80.5	82.3	83.9	85.8	86.2	86.6	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.9	87.9
GE 800	71.0	80.7	82.9	85.0	86.9	87.2	87.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.5	89.5
GE 700	71.4	81.4	83.7	85.9	88.3	88.7	89.4	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	91.3
GE 600	72.3	82.6	85.0	87.5	90.1	90.4	91.1	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.7	93.0
GE 500	72.6	83.1	85.5	88.1	90.7	91.0	92.2	93.4	93.4	93.7	94.0	94.0	94.3	94.3	94.3	94.3	94.7	94.7
GE 400	72.6	83.5	85.8	88.7	91.5	91.8	93.1	94.3	94.3	94.7	94.9	94.9	95.3	95.3	95.3	95.3	95.6	95.6
GE 300	72.6	83.5	85.8	88.7	91.5	91.8	93.1	94.8	94.9	95.6	96.0	96.0	96.3	96.5	96.6	96.6	96.9	96.9
GE 200	72.6	83.5	85.8	88.8	91.6	92.0	93.4	95.4	95.5	96.3	96.8	96.8	97.2	97.3	97.4	97.4	97.9	97.9
GE 100	72.6	83.6	85.9	88.9	91.7	92.1	93.5	95.5	95.6	96.8	97.3	97.3	97.8	98.5	98.9	99.4	99.4	99.4
GE 0	72.6	83.6	85.9	88.9	91.7	92.1	93.5	95.5	95.6	96.6	97.3	97.3	97.8	98.5	99.1	100.0		

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE IC	GE 6	GE S	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 6		
NO CEIL	40.5	43.5	43.6	44.1	44.1	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	
GE 20000	42.9	46.2	46.3	46.8	46.8	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	
GE 14000	42.9	46.2	46.3	46.8	46.8	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	
GE 16000	42.9	46.2	46.3	46.8	46.8	46.9	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	
GE 14000	43.6	47.0	47.2	47.6	47.6	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
GE 12000	44.2	47.6	47.8	48.2	48.2	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	
GE 10000	46.3	50.5	50.7	51.2	51.2	51.3	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
GE 9000	47.0	51.4	51.7	52.1	52.1	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	
GE 8000	47.8	52.1	52.4	52.8	52.8	53.0	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	
GE 7000	49.6	54.4	54.6	55.1	55.1	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 6000	50.1	55.0	55.2	55.7	55.7	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	
GE 5000	51.3	56.7	57.1	57.9	57.9	58.0	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
GE 4500	52.4	58.5	58.9	59.7	59.7	59.8	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	
GE 4000	53.5	60.3	60.8	61.7	61.8	62.2	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
GE 3500	54.6	61.7	62.2	63.1	63.2	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	
GE 3000	56.0	63.9	64.5	65.5	65.7	66.1	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 2500	58.2	67.3	68.1	69.0	69.3	69.6	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
GE 2000	59.9	69.3	70.2	71.2	71.4	71.9	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 1800	61.1	71.0	72.1	73.0	73.3	73.8	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	
GE 1500	63.4	74.1	75.3	76.2	76.6	77.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
GE 1200	64.4	76.1	77.4	78.6	79.0	79.4	80.6	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	
GE 1000	65.4	77.5	79.1	80.7	81.8	82.3	83.8	84.2	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	
GE 900	66.0	78.7	80.4	82.2	83.2	83.8	85.3	85.7	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
GE 800	66.4	79.3	81.0	83.1	84.3	84.9	86.4	86.9	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	
GE 700	67.1	80.1	81.8	83.9	85.8	86.5	88.4	88.9	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
GE 600	67.8	81.3	83.1	85.2	87.4	88.1	90.0	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
GE 500	67.8	81.6	83.5	85.6	87.7	88.4	90.4	91.0	91.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
GE 400	67.8	81.9	83.9	86.4	88.7	89.4	91.5	92.1	92.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
GE 300	67.8	81.9	83.9	86.6	89.0	89.7	92.1	92.9	93.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
GE 200	67.8	81.9	83.9	86.6	89.0	89.7	92.3	93.5	93.9	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.7	
GE 100	67.8	81.9	83.9	86.6	89.0	89.7	92.3	93.5	94.0	95.6	96.2	96.3	96.3	96.3	96.3	96.3	96.3	
GE 01	67.8	81.9	83.9	86.6	89.0	89.7	92.3	93.5	94.0	95.6	96.2	96.3	96.3	96.3	96.3	96.3	96.3	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727533 STATION NAME: FORT FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	4/16	GE	GE	GE	
NO CEIL	39.4	41.5	41.6	42.3	42.7	43.0	43.3	43.3	43.3	43.4	43.4	43.4	43.5	43.6	43.6	43.6	43.6	
GE 20000	41.0	43.4	43.5	44.2	44.7	45.0	45.3	45.3	45.3	45.4	45.5	45.5	45.6	45.7	45.7	45.7	45.7	
GE 18000	41.0	43.4	43.5	44.2	44.7	45.0	45.3	45.3	45.3	45.4	45.5	45.5	45.6	45.7	45.7	45.7	45.7	
GE 16000	41.0	43.4	43.5	44.2	44.7	45.0	45.3	45.3	45.3	45.4	45.5	45.5	45.6	45.7	45.7	45.7	45.7	
GE 14000	41.3	43.6	43.7	44.4	44.9	45.3	45.5	45.5	45.5	45.6	45.7	45.7	45.9	46.0	46.0	46.0	46.0	
GE 12000	42.1	44.6	44.7	45.4	45.9	46.2	46.5	46.5	46.5	46.6	46.7	46.7	46.8	46.9	46.9	46.9	46.9	
GE 10000	45.5	48.8	48.9	49.6	50.2	50.6	50.8	50.8	50.8	51.1	51.2	51.3	51.4	51.5	51.5	51.5	51.5	
GE 9000	45.6	50.0	50.2	51.1	51.5	51.9	52.1	52.1	52.1	52.4	52.5	52.5	52.6	52.7	52.8	52.8	52.8	
GE 8000	47.2	50.8	51.2	52.0	52.5	52.6	53.2	53.2	53.2	53.4	53.5	53.5	53.7	53.8	53.9	53.9	53.9	
GE 7000	49.7	52.0	52.5	53.3	53.9	54.1	54.5	54.5	54.5	54.7	54.8	54.8	55.0	55.1	55.2	55.2	55.2	
GE 6000	49.5	52.7	53.2	54.0	54.5	54.8	55.2	55.2	55.2	55.6	55.7	55.7	55.8	55.9	56.0	56.0	56.0	
GE 5000	50.1	55.0	55.4	56.4	56.9	57.2	57.6	57.6	57.6	57.9	58.0	58.0	58.2	58.3	58.4	58.4	58.4	
GE 4500	51.4	56.4	56.9	57.8	58.3	58.6	59.0	59.0	59.0	59.3	59.5	59.5	59.6	59.7	59.8	59.8	59.8	
GE 4000	52.0	57.1	57.6	58.5	59.2	59.7	60.0	60.0	60.0	60.4	60.5	60.5	60.6	60.8	60.9	60.9	60.9	
GE 3500	53.1	58.7	59.2	60.2	60.9	61.5	61.8	61.8	61.8	62.2	62.3	62.3	62.4	62.5	62.6	62.6	62.6	
GE 3000	55.4	62.1	62.8	63.7	64.5	65.2	65.6	65.7	65.7	66.1	66.2	66.2	66.3	66.4	66.5	66.5	66.5	
GE 2500	57.3	65.4	66.5	67.5	68.9	69.6	70.0	70.1	70.2	70.6	70.7	70.7	70.8	70.9	71.0	71.0	71.0	
GE 2000	59.3	68.1	69.5	70.4	72.0	73.0	73.8	73.9	74.0	74.5	74.5	74.5	74.6	74.7	74.8	74.8	74.8	
GE 1600	60.5	69.6	71.2	72.1	73.6	74.7	75.5	75.7	75.8	76.1	76.2	76.2	76.4	76.5	76.6	76.6	76.6	
GE 1500	61.6	71.0	72.7	73.6	75.3	76.5	77.3	77.5	77.7	78.0	78.1	78.1	78.3	78.4	78.5	78.5	78.5	
GE 1200	63.7	73.2	74.9	76.0	77.9	79.2	80.1	80.5	80.6	81.0	81.1	81.1	81.2	81.3	81.4	81.4	81.4	
GE 1000	63.8	74.6	76.4	77.6	80.0	81.6	82.7	83.5	83.6	83.9	84.2	84.2	84.5	84.6	84.8	84.8	84.8	
GE 900	65.1	76.7	78.5	80.0	82.3	83.8	85.0	85.8	85.9	86.3	86.5	86.5	86.9	87.0	87.1	87.1	87.1	
GE 800	65.4	77.4	79.2	81.0	83.3	84.9	86.1	86.9	87.0	87.5	87.7	87.7	88.1	88.2	88.3	88.3	88.3	
GE 700	66.0	78.3	80.1	82.5	84.9	86.5	87.9	88.9	89.0	89.5	89.7	89.7	90.2	90.5	90.8	90.8	90.8	
GE 600	66.2	79.1	81.0	83.3	85.8	87.5	88.9	90.0	90.1	91.1	91.6	92.0	92.2	92.2	92.2	92.2	92.2	
GE 500	66.4	80.3	82.2	84.6	87.1	88.6	90.3	91.6	92.0	92.7	93.0	93.5	93.9	94.1	94.1	94.1	94.1	
GE 400	66.5	80.9	82.9	85.3	87.8	89.5	91.1	92.4	92.8	93.6	94.0	94.4	94.8	95.3	95.3	95.3	95.3	
GE 300	66.5	80.9	82.9	85.3	88.1	89.7	91.6	93.0	93.4	94.4	95.0	95.3	95.9	96.2	96.9	97.0	97.0	
GE 200	66.5	80.9	82.9	85.3	88.1	89.7	91.7	93.4	93.7	95.0	95.9	96.2	97.3	97.6	98.6	98.7	98.7	
GE 100	66.5	91.0	83.0	85.5	88.2	89.8	91.8	93.6	93.9	95.2	96.1	96.5	97.5	98.1	99.3	99.3	99.3	
GE 0	66.5	91.0	83.0	85.5	88.2	89.8	91.8	93.5	93.9	95.2	96.1	96.5	97.5	98.1	99.3	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.7	41.1	41.5	42.0	42.8	43.1	44.0	44.2	44.2	44.6	44.6	44.6	44.8	44.8	44.8	44.9
GE 20000	42.4	46.6	46.9	47.4	48.5	48.8	49.9	50.1	50.1	50.5	50.5	50.5	50.8	50.8	50.8	50.9
GE 18000	42.4	46.6	46.9	47.4	48.5	48.8	49.9	50.1	50.1	50.5	50.5	50.5	50.8	50.8	50.8	50.9
GE 16000	42.6	46.7	47.0	47.5	48.6	48.9	50.0	50.2	50.2	50.6	50.6	50.6	50.9	50.9	51.0	51.1
GE 14000	43.1	47.3	47.6	48.1	49.2	49.5	50.6	50.8	51.2	51.2	51.2	51.5	51.5	51.5	51.7	51.7
GE 12000	44.0	48.4	48.6	49.1	50.1	50.5	51.5	51.8	51.8	52.1	52.1	52.1	52.5	52.5	52.5	52.6
GE 10000	46.0	50.7	51.1	51.5	52.7	53.2	54.4	54.6	54.6	55.0	55.0	55.0	55.3	55.3	55.3	55.4
GE 9000	46.4	51.3	51.8	52.2	53.7	54.1	55.3	55.6	55.6	55.9	55.9	55.9	56.3	56.3	56.3	56.4
GE 8000	46.7	51.5	52.0	52.5	54.0	54.5	55.7	55.9	55.9	56.3	56.3	56.3	56.6	56.6	56.6	56.7
GE 7000	48.0	53.1	53.5	54.1	55.9	56.4	57.9	58.2	58.2	58.5	58.5	58.5	59.0	59.0	59.0	59.1
GE 6000	48.2	53.3	53.8	54.5	56.3	56.9	58.4	58.6	58.6	59.0	59.0	59.0	59.5	59.5	59.5	59.6
GE 5000	49.4	54.7	55.6	56.3	58.0	58.6	60.3	60.5	60.5	60.9	60.9	60.9	61.3	61.3	61.3	61.5
GE 4500	49.8	55.3	56.1	56.9	58.6	59.2	60.9	61.2	61.2	61.6	61.6	61.6	62.1	62.1	62.1	62.2
GE 4000	56.1	55.8	56.7	57.4	59.3	59.9	61.7	62.1	62.1	62.4	62.4	62.4	62.9	62.9	62.9	63.0
GE 3500	56.7	56.7	57.9	58.9	60.8	61.3	63.5	63.8	63.8	64.3	64.3	64.5	65.0	65.0	65.0	65.1
GE 3000	53.5	60.8	62.1	63.4	65.5	66.4	68.8	69.1	69.1	69.6	70.0	70.0	70.4	70.4	70.4	70.6
GE 2500	55.1	62.6	64.1	65.4	67.7	68.8	71.2	72.1	72.1	72.6	72.6	72.9	73.4	73.4	73.4	73.5
GE 2000	56.4	64.3	65.8	67.3	69.9	71.0	73.6	74.9	74.9	75.4	75.8	75.8	76.2	76.2	76.2	76.4
GE 1800	57.1	65.1	66.7	68.1	70.8	72.1	74.9	76.4	76.4	76.8	77.2	77.2	77.7	77.7	77.7	77.8
GE 1500	58.7	67.0	68.8	70.2	72.9	74.2	77.2	78.6	78.8	79.3	79.7	79.7	80.1	80.1	80.1	80.3
GE 1200	60.0	68.6	70.3	72.0	75.1	76.4	79.4	80.9	81.2	81.8	82.3	82.3	82.7	82.7	82.7	82.9
GE 1000	67.9	69.5	71.5	73.2	76.8	78.3	81.8	83.5	83.8	84.4	84.9	84.9	85.5	85.5	85.5	85.6
GE 9000	61.0	69.9	72.0	73.8	77.4	76.8	82.5	84.2	84.8	85.3	85.8	85.8	86.4	86.4	86.4	86.5
GE 8000	61.7	73.8	73.2	75.2	79.0	80.4	84.3	85.9	86.8	87.6	88.3	88.3	89.0	89.0	89.0	89.1
GE 7000	61.9	71.5	74.0	76.4	80.4	81.8	85.9	87.6	88.4	89.4	90.1	90.2	91.0	91.0	91.1	91.1
GE 6000	62.1	71.9	74.3	76.7	80.9	82.4	86.6	88.4	89.5	90.8	91.5	91.6	92.6	92.6	92.6	92.8
GE 5000	62.2	72.6	75.7	78.3	82.4	83.9	88.5	90.3	91.5	93.1	93.9	94.1	95.0	95.0	95.0	95.3
GE 4000	62.2	73.0	76.1	78.7	83.0	84.6	89.2	91.3	92.6	94.6	95.4	95.6	96.7	96.7	96.7	96.9
GE 3000	62.2	73.0	76.1	78.7	83.0	84.6	89.2	91.5	92.8	95.3	96.2	96.6	98.0	98.0	98.0	98.2
GE 2000	62.2	73.0	76.1	78.7	83.0	84.6	89.2	91.6	92.9	95.4	96.5	96.9	98.6	98.6	98.6	99.6
GE 1000	62.2	73.0	76.1	78.7	83.0	84.6	89.2	91.6	92.9	95.4	96.5	96.9	98.6	98.6	99.3	100.0
GE	62.2	73.0	76.1	78.7	83.0	84.6	89.2	91.6	92.9	95.4	96.5	96.9	98.6	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GL	GE	GE	GE	GE	GE	GF	GE	GE	GE	GE	GE	GE	GE	GE
1	1P	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
NO CEIL	1	38.4	43.0	44.2	45.2	45.7	45.7	46.6	46.8	46.8	47.0	47.0	47.2	47.2	47.2	47.2
CE 20000	1	44.2	49.3	50.9	52.0	52.6	52.6	53.4	53.7	53.7	53.9	53.9	54.3	54.3	54.4	54.4
CE 18000	1	44.2	49.5	51.2	52.2	52.8	52.8	53.7	53.9	53.9	54.1	54.1	54.5	54.5	54.6	54.6
CE 16000	1	44.3	49.6	51.3	52.4	53.0	53.0	53.8	54.0	54.0	54.3	54.3	54.6	54.6	54.7	54.7
CE 14000	1	44.9	50.2	52.0	53.1	53.8	53.8	54.6	54.8	54.8	55.1	55.1	55.4	55.4	55.6	55.6
CE 12000	1	46.1	51.4	53.2	54.3	55.0	55.0	55.8	56.0	56.0	56.3	56.3	56.6	56.6	56.7	56.7
GE 10000	1	47.4	53.0	54.7	55.8	56.5	56.5	57.3	57.7	57.7	57.9	57.9	58.3	58.3	58.4	58.4
GE 9000	1	47.0	53.4	55.7	56.9	57.7	57.7	58.5	58.9	58.9	59.1	59.1	59.5	59.5	59.6	59.6
GE 8000	1	48.6	54.4	56.6	57.8	58.6	58.6	59.5	59.8	59.8	60.0	60.0	60.4	60.4	60.5	60.5
GE 7000	1	49.8	55.9	58.2	59.3	60.2	60.2	61.0	61.3	61.3	61.6	61.6	61.9	61.9	62.1	62.1
GE 6000	1	49.9	56.1	58.5	59.7	60.5	60.6	61.5	61.9	61.9	62.2	62.2	62.5	62.5	62.6	62.6
GE 5000	1	50.8	57.6	60.0	61.2	62.1	62.2	63.0	63.5	63.5	63.7	63.7	64.1	64.1	64.2	64.2
GE 4000	1	51.1	58.0	60.6	61.8	62.8	63.0	63.9	64.4	64.4	64.7	64.7	65.0	65.0	65.1	65.1
GE 4000	1	51.2	58.9	61.7	62.9	64.1	64.3	65.2	65.7	65.7	66.0	66.0	66.3	66.3	66.4	66.4
GE 3000	1	51.5	59.3	62.2	63.5	64.8	65.1	66.1	66.5	66.5	66.8	66.8	67.1	67.1	67.3	67.3
GE 3000	1	52.5	60.5	63.7	65.0	66.4	66.6	67.7	68.4	68.4	68.7	68.7	69.1	69.1	69.4	69.4
GE 2500	1	53.7	62.3	65.6	67.0	68.7	69.0	70.0	70.7	70.7	71.0	71.0	71.2	71.5	71.6	71.7
GE 2500	1	55.6	64.7	68.1	69.9	71.6	72.3	73.3	74.0	74.0	74.3	74.5	74.6	74.9	75.1	75.2
GE 1800	1	56.1	66.0	69.5	71.4	73.2	74.1	75.1	76.2	76.2	76.6	76.7	76.8	77.2	77.3	77.4
GE 1500	1	57.9	68.6	72.3	74.6	76.6	77.7	78.6	79.8	79.8	80.4	80.6	80.7	81.1	81.3	81.3
GE 1200	1	59.6	71.0	75.1	77.3	79.6	80.6	81.7	83.0	83.0	83.6	83.8	83.9	84.4	84.5	84.6
GE 1000	1	60.2	72.7	77.3	79.6	81.9	83.1	84.6	85.9	86.1	87.1	87.4	87.5	88.1	88.2	88.4
GE 900	1	62.4	73.4	78.1	80.5	83.1	84.5	86.3	87.6	87.7	89.0	89.5	89.6	90.2	90.3	90.5
GE 800	1	60.6	74.1	79.0	81.3	83.9	85.3	87.2	88.7	88.8	90.2	90.8	91.5	91.6	91.8	91.8
GE 700	1	66.9	74.6	79.8	82.4	85.1	86.6	88.7	90.4	90.5	92.0	92.6	92.7	93.3	93.4	93.6
GE 600	1	60.9	75.3	80.5	83.1	85.9	87.6	89.8	91.7	92.0	93.5	94.1	94.2	94.8	94.9	95.2
GE 500	1	61.6	76.7	82.0	84.8	87.7	89.5	92.0	93.9	94.2	95.7	96.5	96.6	97.2	97.3	97.5
GE 400	1	61.6	76.7	82.0	84.9	87.8	89.8	92.4	94.6	95.0	96.7	97.4	97.5	98.1	98.2	98.5
GE 300	1	61.6	76.7	82.2	85.0	88.1	90.1	92.7	94.9	95.4	97.2	98.0	98.2	98.8	98.9	99.5
GE 200	1	61.6	76.7	82.2	85.0	88.1	90.1	92.7	94.9	95.4	97.2	98.0	98.3	98.9	99.1	99.6
GE 100	1	61.6	76.7	82.2	85.0	88.1	90.1	92.7	94.9	95.4	97.2	98.0	98.3	98.9	99.1	100.0
GE 0	1	61.6	76.7	82.2	85.0	88.1	90.1	92.7	94.9	95.4	97.2	98.0	98.3	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	CE 10 0	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	2	1 1/2	1 1/4	1	3/4	5/8	GE 1/2	GE 1/16	GE 1/4	GE 0
NO CEIL	30.9	42.7	43.3	43.7	44.2	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 20000	45.5	50.0	50.9	51.4	51.9	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.7	52.8	53.0	53.0
GE 18000	45.6	50.1	51.1	51.5	52.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.8	53.0	53.1	53.1
GE 16000	45.9	50.4	51.3	51.8	52.2	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.1	53.2	53.3	53.3
GE 14000	46.3	50.9	51.9	52.4	52.8	52.8	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.8	53.9	54.0	54.0
GE 12000	47.2	52.1	53.1	53.5	54.0	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	55.0	55.1	55.2	55.2
GE 10000	48.6	54.3	55.2	55.7	56.1	56.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.2	57.3	57.4	57.4
GE 9000	49.1	54.6	56.1	56.6	57.2	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.5	58.6	58.7	58.7
GE 8000	49.9	56.3	57.6	58.0	58.6	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	60.0	60.2	60.2	60.2
GE 7000	51.7	58.0	59.3	59.8	60.4	60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7	61.8	61.9	61.9
GE 6000	52.1	58.5	59.8	60.3	60.9	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.3	62.4	62.5	62.5
GE 5000	53.1	59.9	61.2	61.7	62.3	62.4	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.7	63.8	63.9	63.9
GE 4000	53.2	60.0	61.5	61.9	62.5	62.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	64.2	64.3	64.4	64.4
GE 4000	53.3	60.8	62.4	62.9	63.6	63.7	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.4	65.5	65.6	65.6
GE 3500	54.0	61.5	63.1	63.7	64.4	64.5	65.6	66.1	66.1	66.1	66.2	66.2	66.2	66.5	66.7	66.8	66.8
GE 3000	55.7	63.8	65.5	66.1	66.9	67.1	68.3	68.8	68.8	68.8	68.9	68.9	68.9	69.3	69.4	69.5	69.5
GE 2500	57.7	66.4	69.2	69.7	70.2	71.6	72.2	72.2	72.5	72.6	72.6	72.6	72.6	72.9	73.0	73.2	73.2
GE 2000	59.6	69.3	71.3	72.2	73.2	73.8	75.3	76.1	76.1	76.6	76.7	76.7	77.1	77.2	77.3	77.3	77.3
GE 1800	60.2	70.3	72.3	73.3	74.3	74.9	76.5	77.7	77.7	78.1	78.3	78.3	78.6	78.7	79.8	79.8	79.8
GE 1500	61.3	73.3	75.5	76.5	77.9	78.7	80.5	81.8	81.8	82.6	82.9	82.9	83.2	83.3	83.5	83.5	83.5
GE 1200	63.5	76.1	78.4	79.3	81.4	82.5	84.8	86.1	86.1	87.0	87.4	87.4	87.7	87.8	87.9	87.9	87.9
GE 1700	64.2	77.0	79.4	80.4	82.6	83.8	86.2	87.7	87.7	89.7	89.1	89.1	89.5	89.6	89.7	89.7	89.7
GE 900	64.7	77.8	80.5	81.4	83.8	85.2	87.6	89.1	89.1	90.2	90.7	90.7	91.0	91.1	91.3	91.3	91.3
GE 800	65.4	78.6	81.3	82.3	84.8	86.2	88.5	90.1	90.1	91.3	91.8	91.8	92.3	92.4	92.6	92.6	92.6
GE 700	65.7	78.7	81.4	82.4	84.9	86.4	88.9	90.4	90.4	91.6	92.4	92.4	93.0	93.1	93.4	93.5	93.5
GE 600	65.7	79.4	82.5	83.5	86.1	87.6	90.3	92.0	92.2	93.5	94.1	94.1	94.9	94.9	95.2	95.3	95.3
GE 500	66.4	80.1	83.2	84.3	86.9	88.5	91.6	93.3	93.5	94.8	95.4	95.4	96.1	96.2	96.5	96.6	96.6
GE 400	66.4	80.4	83.6	84.8	87.6	89.2	92.6	94.4	94.8	96.3	97.0	97.2	97.9	98.0	98.2	98.3	98.3
GE 300	66.4	80.4	83.6	84.6	87.6	89.4	92.6	94.8	95.2	96.6	98.0	98.1	98.8	98.9	99.2	99.3	99.3
GE 200	66.4	80.4	83.6	84.8	87.6	89.4	92.8	94.8	95.2	96.9	98.2	98.3	99.1	99.3	99.5	99.6	99.6
GE 100	66.4	80.4	83.6	84.8	87.6	89.4	92.8	94.8	95.2	96.9	98.2	98.3	99.1	99.3	99.5	99.6	99.6
GE 51	66.4	93.4	83.6	84.8	87.6	89.4	92.8	94.8	95.2	96.9	98.2	98.3	99.1	99.3	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB POLARIS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	100	100	500	500	400	400	300	300	200	200	100	100	50	50	25	25	10	10
NO CEIL	41.7	44.7	45.0	45.5	45.6	45.9	45.9	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
CE 20000	45.9	49.4	50.1	50.6	50.7	50.9	50.9	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4
CE 18000	46.3	49.9	50.6	51.1	51.2	51.4	51.4	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9
CE 16000	46.3	49.9	50.6	51.1	51.2	51.4	51.4	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9
CE 14000	46.5	50.2	50.9	51.4	51.5	51.8	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2
CE 12000	47.2	50.9	51.7	52.1	52.2	52.5	52.6	52.8	52.8	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1
CE 10000	48.7	53.0	53.7	54.1	54.3	54.5	54.6	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1
CE 9000	49.4	53.8	54.5	55.0	55.1	55.3	55.4	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9
CE 8000	50.8	55.4	56.3	56.7	57.0	57.3	57.4	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
CE 7000	52.7	57.7	59.7	59.3	59.6	60.0	60.2	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6
CE 6000	53.4	58.6	59.7	60.3	60.5	61.0	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6
CE 5000	54.6	59.9	61.0	61.6	61.8	62.3	62.4	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9
CE 4000	55.8	61.1	62.4	63.0	63.2	63.7	63.8	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
CE 3000	56.1	62.3	63.7	64.3	64.5	65.0	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6
CE 2000	57.2	63.4	64.8	65.4	65.6	66.1	66.2	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7
CE 1000	58.9	65.8	67.6	68.2	68.6	69.0	69.1	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6
CE 2500	61.6	69.3	71.4	72.1	72.7	73.4	73.5	73.6	73.8	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0
CE 2000	63.6	72.3	74.4	75.9	76.5	77.3	77.4	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1
CE 1800	64.4	73.2	76.2	77.2	77.8	78.6	78.7	79.1	79.1	79.3	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6
CE 1500	66.0	75.5	79.3	80.3	81.0	81.8	82.0	82.4	82.4	82.7	82.9	82.9	83.1	83.2	83.2	83.2	83.2	83.2
CE 1200	68.1	78.6	82.6	83.7	84.5	85.5	85.7	86.1	86.1	86.5	86.6	86.6	86.9	87.0	87.0	87.0	87.0	87.0
CE 1000	69.0	80.5	84.8	P6.1	87.0	88.1	88.4	88.8	88.8	R9.2	89.6	89.6	89.8	90.1	90.1	90.1	90.1	90.1
CE 900	69.1	80.7	85.2	86.6	87.7	88.6	89.1	89.7	89.7	90.2	90.5	90.5	90.8	91.0	91.0	91.0	91.0	91.0
CE 800	69.6	91.3	85.8	87.2	88.3	89.5	90.0	90.5	90.5	91.0	91.4	91.5	91.7	92.0	92.0	92.0	92.0	92.0
CE 700	69.7	82.0	86.8	88.2	89.2	90.5	91.1	91.8	91.8	91.9	92.4	92.9	93.0	93.3	93.6	93.6	93.6	93.6
CE 600	70.3	82.6	87.4	88.9	90.0	91.5	92.3	93.1	93.1	93.9	94.3	94.6	94.8	95.2	95.2	95.2	95.2	95.2
CE 500	71.2	P3.5	88.2	89.8	90.9	92.4	93.3	94.1	94.1	94.8	95.3	95.5	95.7	96.1	96.1	96.1	96.1	96.1
CE 400	71.3	93.6	88.3	90.1	91.1	92.8	94.1	94.9	94.9	95.7	96.2	96.5	96.7	97.0	97.0	97.0	97.0	97.0
CE 300	71.3	93.7	88.8	90.7	91.8	93.6	95.3	96.2	96.3	97.4	99.1	98.3	98.7	99.1	99.1	99.1	99.1	99.1
CE 200	71.3	93.7	88.8	90.7	91.8	93.6	95.3	96.2	96.3	97.4	98.2	98.5	98.9	99.3	99.3	99.3	99.3	99.3
CE 100	71.3	93.7	88.8	90.7	91.8	93.6	95.3	96.2	96.3	97.4	98.2	98.5	99.1	99.5	99.6	99.6	99.6	99.6
CE 00	71.3	93.7	88.8	90.7	91.8	93.6	95.3	96.2	96.3	97.4	98.2	98.5	99.1	99.5	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 76-87  
MONTH: FEB HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	1	5/8	1/2	5/16	1/4	GE
NO CEIL	45.5	48.5	48.6	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.2	49.2	49.2	49.2	49.3	49.4	
GE 20000	47.6	50.7	50.6	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.5	51.7	
GE 18000	48.3	51.4	51.5	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.2	52.4	
GE 16000	48.3	51.4	51.5	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.2	52.4	
GE 14000	48.5	51.7	51.8	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4	52.5	52.6	
GE 12000	49.3	52.5	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.3	53.4	
GE 10000	51.1	54.6	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.3	55.3	55.4	55.6	
GE 9000	51.5	55.1	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.8	55.8	55.9	56.0	
GE 8000	52.1	55.8	56.0	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.9	57.0		
GE 7000	53.2	56.9	57.1	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.2	58.3	
GE 6000	54.1	58.3	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.6	59.6	59.6	59.6	59.7	59.8	
GE 5000	56.0	60.4	60.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.9	61.9	61.9	61.9	62.1	62.2	
GE 4500	58.3	63.4	63.6	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9	64.9	65.0	65.1	
GE 4000	59.7	64.1	64.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.7	65.7	65.7	65.7	66.0		
GE 3500	59.5	65.2	65.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	66.9	67.0	67.1	
GE 3000	61.5	68.1	68.4	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.1	70.2	
GE 2500	63.4	70.8	71.2	72.3	72.8	72.8	72.9	72.9	72.9	72.9	73.2	73.2	73.2	73.2	73.3	73.4		
GE 2000	66.2	75.1	75.4	76.7	77.2	77.2	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.7	77.8		
GE 1800	66.5	75.9	76.4	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.7	78.8	79.0	
GE 1500	68.3	78.0	78.6	80.0	80.5	80.6	80.9	80.9	80.9	81.1	81.3	81.3	81.3	81.4	81.6	81.7		
GE 1200	71.0	81.6	82.3	84.3	84.9	85.0	85.2	85.2	85.2	85.5	85.7	85.7	85.7	85.8	85.9	86.1	86.1	
GE 1000	71.6	82.9	83.9	85.9	86.8	87.0	87.5	87.5	87.5	87.7	87.9	87.9	88.1	88.1	88.2	88.3		
GE 700	73.2	84.9	85.9	87.9	88.8	89.0	89.2	89.6	89.6	89.8	90.2	90.2	90.3	90.3	90.4	90.5		
GE 400	73.5	85.5	86.6	88.9	89.7	90.0	90.2	90.5	90.5	91.0	91.5	91.5	91.6	91.6	91.7	91.8		
GE 700	73.6	85.8	87.0	89.2	90.1	90.3	90.5	90.9	90.9	91.6	92.2	92.2	92.3	92.3	92.4	92.6		
GE 600	74.2	86.6	87.8	90.7	91.5	91.8	92.2	92.6	92.7	93.4	94.1	94.1	94.2	94.2	94.3	94.4		
GE 500	74.5	87.0	88.2	91.0	91.8	92.4	92.8	93.5	93.6	94.4	95.3	95.3	95.5	95.5	95.6	95.7		
GE 400	74.8	87.6	88.9	91.7	93.1	93.9	94.2	94.9	95.0	95.9	96.7	96.7	97.0	97.0	97.2	97.3		
GE 300	74.8	87.7	89.0	91.8	93.3	94.0	94.7	95.5	95.6	96.6	97.4	97.4	97.8	97.8	98.0			
GE 200	74.8	87.7	89.0	91.8	93.3	94.0	94.7	95.6	95.7	96.9	97.9	97.9	98.2	98.2	98.3	98.5		
GE 100	74.9	87.7	89.0	91.8	93.3	94.0	94.8	95.7	95.9	97.2	98.1	98.2	98.7	98.7	98.9	99.1		
GE 0	74.8	87.7	89.0	91.8	93.3	94.0	94.8	95.7	95.9	97.2	98.1	98.2	98.7	98.8	99.5	100.0		

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1 0	GE 6	GE 5	GE 4	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4	GE 0		
NO CEIL	43.8	43.9	44.3	44.8	45.2	45.3	45.6	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0		
GE 20000	44.3	47.9	48.4	49.0	49.4	49.5	49.9	50.0	50.0	50.1	50.1	50.1	50.3	50.3	50.4	50.4		
GE 16000	44.5	48.1	48.7	49.2	49.6	49.7	50.1	50.2	50.3	50.3	50.3	50.3	50.5	50.5	50.6	50.6		
GE 16000	44.6	48.2	48.7	49.2	49.6	49.8	50.1	50.2	50.3	50.4	50.4	50.5	50.5	50.6	50.6	50.7		
GE 14000	45.0	48.6	49.2	49.7	50.1	50.3	50.7	50.8	50.8	50.9	50.9	50.9	51.0	51.1	51.1	51.2		
GE 12000	45.7	49.5	50.1	50.6	51.0	51.2	51.5	51.6	51.6	51.7	51.8	51.8	51.9	52.0	52.0	52.1		
GE 10000	47.8	52.1	52.7	53.2	53.6	53.8	54.2	54.3	54.3	54.4	54.5	54.5	54.7	54.7	54.8	54.8		
GE 9000	49.4	52.6	53.5	54.1	54.6	54.8	55.2	55.3	55.3	55.4	55.5	55.5	55.6	55.7	55.7	55.8		
GE 8000	49.2	53.8	54.6	55.1	55.7	55.9	56.3	56.4	56.4	56.5	56.6	56.6	56.7	56.8	56.8	56.9		
GE 7000	50.5	55.4	56.2	56.9	57.4	57.6	58.1	58.2	58.2	58.3	58.4	58.4	58.6	58.6	58.7	58.7		
GE 6000	51.1	56.1	57.0	57.6	58.2	58.4	58.9	59.1	59.1	59.2	59.2	59.2	59.4	59.5	59.5	59.6		
GE 5000	52.3	57.8	58.7	59.5	60.1	60.3	60.8	61.0	61.0	61.1	61.2	61.2	61.3	61.4	61.4	61.5		
GE 4000	53.4	59.2	60.2	60.9	61.5	61.8	62.3	62.5	62.5	62.6	62.7	62.7	62.9	63.0	63.0	63.0		
GE 4000	53.9	60.1	61.2	62.0	62.8	63.0	63.6	63.8	63.8	63.9	64.0	64.0	64.2	64.2	64.3	64.4		
GE 3500	54.7	61.2	62.4	63.2	64.0	64.3	65.0	65.2	65.2	65.3	65.4	65.4	65.6	65.6	65.7	65.8		
GE 3000	56.6	63.9	65.3	66.2	67.1	67.5	68.2	68.5	68.5	68.6	68.7	68.7	68.9	69.0	69.0	69.1		
GE 2500	58.6	66.7	68.2	69.2	70.3	70.8	71.5	71.9	71.9	72.1	72.2	72.2	72.4	72.4	72.5	72.6		
GE 2000	60.6	69.4	71.1	72.3	73.5	74.1	74.9	75.3	75.4	75.6	75.7	75.8	75.9	76.0	76.1			
GE 1800	61.5	73.6	72.5	73.7	74.9	75.5	76.4	77.0	77.0	77.3	77.4	77.4	77.6	77.7	77.7	77.8		
GE 1500	63.1	72.9	75.5	76.2	77.5	78.3	79.3	80.0	80.0	80.4	80.5	80.6	80.8	80.8	80.9	81.0		
GE 1200	64.8	75.4	77.6	79.0	80.6	81.4	82.5	83.2	83.3	83.7	83.9	84.0	84.2	84.3	84.4			
GE 1000	65.6	76.7	79.2	80.7	82.6	83.6	85.0	85.8	85.9	86.4	86.7	86.7	87.0	87.1	87.2	87.3		
GE 900	66.3	77.8	80.4	82.0	84.0	85.0	86.5	87.4	87.5	88.1	88.4	88.4	88.7	88.8	88.9	88.9		
GE 800	66.7	78.5	81.1	83.0	85.0	86.0	87.5	88.5	88.7	89.4	89.8	89.8	90.2	90.2	90.3	90.4		
GE 700	67.7	79.1	81.6	83.9	86.1	87.2	88.9	89.9	90.1	90.9	91.3	91.4	91.8	91.9	92.1	92.1		
GE 600	67.4	79.9	82.7	84.9	87.2	86.4	90.2	91.3	91.5	92.5	97.7	93.0	93.5	93.6	93.7	93.8		
GE 500	67.8	80.6	83.5	85.8	88.2	89.4	91.4	92.6	92.9	94.0	94.5	94.5	95.1	95.2	95.3	95.4		
GE 400	67.0	80.9	83.9	86.3	88.8	90.1	92.3	93.6	94.0	95.1	95.7	95.8	96.3	96.5	96.6	96.7		
GE 300	67.9	81.0	84.0	86.5	89.0	90.4	92.7	94.2	94.6	96.0	96.7	96.9	97.5	97.6	97.9	98.1		
GE 200	67.9	81.0	84.0	86.5	89.1	90.4	92.8	94.4	94.8	96.3	97.1	97.3	98.1	98.3	98.7	98.9		
GE 100	67.0	81.0	84.1	86.5	89.1	90.4	92.8	94.5	94.9	96.5	97.3	97.5	98.4	98.7	99.3	99.6		
GE 0	67.9	81.0	84.1	86.5	89.1	90.4	92.8	94.5	94.9	96.5	97.3	97.5	98.4	98.7	99.5	100.0		

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8	
NO CEIL	46.7	50.3	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.1	51.2	
GE 20000	49.8	53.7	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.4	54.4	54.5	54.6	54.6	
GE 18000	49.9	53.8	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.5	54.5	54.5	54.6	54.7	
GE 16000	49.9	53.8	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.5	54.5	54.5	54.6	54.7	
GE 14000	50.1	54.1	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.8	54.8	54.9	55.1		
GE 12000	50.3	54.3	54.6	54.8	54.8	54.8	54.8	54.8	54.9	54.9	55.1	55.1	55.2	55.3		
GE 10000	52.8	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.8	57.8	58.0	58.1		
GE 9000	54.0	58.4	58.7	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.1	59.1	59.2	59.4		
GE 8000	54.6	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.8	59.8	59.9	60.0		
GE 7000	56.5	60.9	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.6	61.6	61.6	61.7	61.8	
GE 6000	57.5	62.2	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.9	62.9	62.9	63.0	63.1	
GE 5000	59.4	64.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.8	64.8	64.9	65.1		
GE 4500	61.1	65.9	66.2	66.5	66.6	66.6	66.6	66.6	66.7	66.8	66.9	66.9	67.0	67.1		
GE 4000	61.7	66.7	67.0	67.2	67.3	67.3	67.3	67.3	67.4	67.5	67.6	67.6	67.7	67.8		
GE 3500	63.4	68.4	68.7	68.9	69.1	69.1	69.1	69.2	69.4	69.5	69.5	69.5	69.6	69.7		
GE 3000	67.2	72.6	72.9	73.1	73.4	73.4	73.4	73.4	73.5	73.7	73.8	73.8	73.9	74.0		
GE 2500	69.8	75.5	75.9	76.1	76.5	76.5	76.5	76.5	76.6	76.7	76.8	76.8	76.8	76.9	77.0	
GE 2000	72.2	78.1	78.5	78.9	79.4	79.4	79.4	79.4	79.5	79.6	79.7	79.7	79.8	79.9		
GE 1600	72.9	79.1	79.6	80.0	80.4	80.4	80.4	80.4	80.5	80.6	80.8	80.8	80.9	81.0		
GE 1500	74.7	81.4	81.8	82.4	82.8	82.8	82.8	82.9	83.0	83.1	83.2	83.2	83.3	83.4		
GE 1200	75.3	82.3	82.9	83.7	84.2	84.3	84.4	84.4	84.5	84.6	84.7	84.7	84.8	84.9		
GE 1000	76.1	83.8	84.9	85.9	86.7	86.8	86.9	86.9	87.0	87.1	87.2	87.3	87.4	87.5		
GE 900	76.6	84.9	86.1	87.2	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9		
GE 800	76.9	95.4	86.8	88.1	89.0	89.1	89.6	89.7	89.8	90.0	90.1	90.2	90.3	90.4		
GE 700	77.1	86.0	87.6	88.9	90.0	90.1	91.2	91.3	91.4	91.8	91.9	92.0	92.0	92.2	92.3	
GE 600	77.3	86.3	88.2	89.5	90.6	90.8	91.9	92.2	92.4	93.0	93.1	93.2	93.2	93.3	93.4	
GE 500	77.5	86.9	88.8	90.6	92.0	92.2	93.4	93.8	94.0	94.7	94.8	94.9	95.1	95.2	95.3	
GE 400	77.5	97.3	89.2	91.1	92.6	92.7	94.3	94.6	94.8	95.6	95.7	95.8	95.9	96.0	96.1	
GE 300	77.5	87.6	89.6	91.6	95.2	93.3	95.2	95.5	95.8	96.8	97.3	97.4	97.6	97.7	97.8	
GE 200	77.5	87.6	89.6	91.6	93.3	94.4	95.3	95.8	96.1	97.1	97.7	97.8	98.2	98.5	98.7	
GE 100	77.5	87.6	89.6	91.6	93.4	93.5	95.5	96.0	96.3	97.4	98.2	98.3	98.8	99.4	99.5	
GE 0	77.5	87.6	89.6	91.6	93.4	93.5	95.5	96.0	96.3	97.4	98.2	98.3	98.8	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSLS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	17 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4	GE GE	GE C		
NO CEIL	42.3	46.5	47.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.7	47.7	47.8	47.8	
GE 20000	44.9	49.1	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.5	50.5	
GE 18000	44.9	49.1	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.5	50.5	
GE 16000	44.9	49.1	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.5	50.5	
GE 14000	45.4	49.6	53.3	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	51.0	51.0	
GE 12000	46.0	50.3	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.7	51.7	
GE 10000	50.3	54.6	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	56.0	56.0	
GE 9000	51.2	55.5	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.9	56.9	
GE 8000	52.0	56.3	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.8	57.8	
GE 7000	53.7	58.0	58.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.4	59.4	
GE 6000	55.1	59.5	60.3	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.3	61.4	
GE 5000	57.4	62.0	62.9	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.9	63.9	64.0	64.0	
GE 4500	58.8	63.4	64.3	64.8	64.9	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.3	65.4	65.4	65.4	
GE 4000	59.2	64.0	64.8	65.4	65.6	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9	66.0	66.0	
GE 3500	61.2	66.2	67.1	67.6	67.8	67.8	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.3	68.3	
GE 3000	64.9	70.6	71.5	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.9	72.9	73.0	73.0	
GE 2500	66.3	72.4	73.5	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	75.1	75.1	75.2	75.2	
GE 2000	68.6	75.2	76.5	77.3	77.6	77.6	77.6	78.0	78.2	78.2	78.2	78.2	78.2	78.5	78.5	78.6	78.6	
GE 1800	69.9	76.5	77.8	78.7	79.0	79.0	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.9	79.9	80.0	80.1	
GE 1500	75.9	77.7	79.2	80.1	80.4	80.4	80.4	80.8	81.1	81.1	81.1	81.1	81.3	81.3	81.4	81.5	81.5	
GE 1200	72.8	80.3	81.8	83.3	83.3	83.3	83.3	83.7	84.1	84.1	84.1	84.1	84.2	84.2	84.3	84.4	84.4	
GE 1000	77.8	81.8	83.4	84.9	85.6	85.7	86.0	86.5	86.5	86.5	86.5	86.5	86.7	86.7	86.8	87.0	87.0	
GE 900	77.9	82.4	84.0	85.6	86.3	86.5	86.8	87.4	87.5	87.5	87.5	87.5	87.8	88.0	88.2	88.2	88.2	
GE 800	74.2	83.2	85.1	87.1	88.1	88.2	88.5	89.2	89.4	89.7	89.7	89.7	89.8	89.9	89.9	90.1	90.1	
GE 700	74.4	84.2	86.2	88.4	89.4	89.5	90.0	90.9	91.2	91.3	91.4	91.4	91.5	91.5	91.7	91.7	91.7	
GE 600	74.4	84.5	86.6	89.0	90.2	90.3	91.1	92.2	92.3	92.3	92.6	92.6	92.8	92.9	92.9	93.1	93.1	
GE 500	74.6	85.3	87.4	90.1	91.4	91.5	92.3	93.5	93.7	94.3	94.6	94.6	94.7	94.7	94.9	94.9	94.9	
GE 400	74.8	85.6	87.7	90.6	92.0	92.2	93.7	94.9	95.1	95.7	96.0	96.0	96.2	96.2	96.5	96.5	96.5	
GE 300	74.8	86.0	88.2	91.1	92.6	92.7	94.2	95.6	95.8	96.5	96.9	96.9	97.2	97.2	97.4	97.4	97.4	
GE 200	74.9	86.0	88.3	91.2	92.8	92.9	94.5	96.1	96.6	97.4	97.8	97.8	98.4	98.4	98.6	98.6	98.6	
GE 100	74.9	86.0	88.3	91.2	92.8	92.9	94.5	96.1	96.6	97.4	98.0	98.0	98.7	98.7	99.4	99.4	99.5	
GE	74.8	86.0	88.3	91.2	92.8	92.9	94.5	96.1	96.6	97.4	98.0	98.0	98.7	98.7	99.4	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARDO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	40.1	43.5	44.3	45.1	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.6	45.6	45.8	45.9	46.1
GE 20000	42.7	46.3	47.1	47.8	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.4	48.4	48.6	48.7	48.9
GE 18000	42.7	46.3	47.1	47.8	48.1	48.2	48.2	48.3	48.3	48.3	48.3	49.4	48.4	48.6	48.7	48.9
GE 16000	42.8	46.5	47.2	48.0	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.5	48.5	48.7	48.8	49.0
GE 14000	43.7	47.3	48.1	48.8	49.0	49.1	49.1	49.2	49.2	49.2	49.2	49.4	49.4	49.6	49.7	49.9
GE 12000	44.4	48.2	48.9	49.7	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.2	50.2	50.4	50.5	50.8
GE 10000	47.4	51.4	52.3	53.0	53.2	53.3	53.3	53.4	53.4	53.5	53.5	53.7	53.7	53.9	54.0	54.2
GE 9000	48.7	52.7	53.5	54.3	54.5	54.6	54.6	54.7	54.7	54.8	54.8	54.9	54.9	55.2	55.3	55.5
GE 8000	50.3	54.4	55.3	56.0	56.2	56.3	56.3	56.5	56.6	56.6	56.7	56.7	56.9	57.0	57.2	57.4
GE 7000	52.3	56.3	57.2	58.0	58.2	58.3	58.3	58.4	58.5	58.5	58.6	58.6	58.8	58.9	59.1	59.3
GE 6000	53.8	58.3	59.1	59.9	60.1	60.2	60.2	60.3	60.4	60.5	60.6	60.6	60.9	61.0	61.2	61.4
GE 5000	55.2	60.1	61.1	61.9	62.3	62.4	62.4	62.5	62.6	62.7	62.8	63.0	63.1	63.3	63.5	63.7
GE 4500	55.9	61.0	61.9	62.8	63.1	63.2	63.2	63.3	63.4	63.5	63.7	63.9	64.0	64.2	64.4	64.6
GE 4000	57.2	62.5	63.4	64.3	64.7	64.8	64.8	64.9	65.1	65.2	65.3	65.3	65.5	65.6	65.8	65.8
GE 3500	58.6	64.0	65.1	66.0	66.6	66.7	66.7	66.8	66.9	67.0	67.1	67.1	67.3	67.4	67.6	67.6
GE 3000	61.7	67.5	68.7	69.8	70.4	70.5	70.5	70.6	70.9	71.0	71.0	71.2	71.3	71.5	71.5	71.5
GE 2500	63.8	70.4	71.6	72.8	73.7	73.9	73.9	74.0	74.2	74.3	74.4	74.4	74.6	74.7	74.9	74.9
GE 2000	65.7	72.9	74.2	75.4	76.2	76.5	76.5	76.6	76.8	77.0	77.1	77.1	77.4	77.5	77.7	77.7
GE 1800	66.8	74.1	75.4	76.6	77.4	77.6	77.6	77.7	78.0	78.2	78.3	78.3	78.6	78.7	78.9	78.9
GE 1500	68.0	75.6	77.2	78.5	79.6	79.8	79.8	79.9	80.0	80.2	80.4	80.5	80.5	80.9	81.0	81.2
GE 1200	69.0	77.6	79.7	81.2	82.4	82.6	82.6	82.7	82.8	83.0	83.2	83.3	83.7	83.8	84.0	84.0
GE 1000	70.4	79.4	81.4	82.9	84.1	84.6	84.8	85.2	85.4	85.6	85.7	85.7	86.0	86.1	86.3	86.3
GE 900	70.8	80.0	82.0	83.8	84.9	85.6	86.0	86.3	86.9	87.1	87.2	87.2	87.5	87.6	87.8	87.8
GE 800	70.8	80.2	82.4	84.2	85.4	86.1	86.8	87.2	87.7	88.0	88.1	88.1	88.5	88.6	88.8	88.8
GE 700	70.9	80.9	83.1	85.1	86.2	87.2	88.0	88.6	89.1	89.5	89.9	89.9	90.3	90.4	90.6	90.6
GE 600	71.0	81.3	83.7	85.7	87.0	88.1	88.9	89.8	90.3	91.0	91.1	91.1	91.6	91.7	91.9	91.9
GE 500	71.4	82.0	84.4	86.7	88.0	89.0	90.1	91.0	91.5	92.4	92.6	92.6	93.1	93.3	93.5	93.5
GE 400	71.4	82.4	84.7	87.1	89.6	89.7	90.9	91.9	92.7	93.8	94.0	94.0	94.5	94.7	94.9	94.9
GE 300	71.4	82.6	85.2	87.5	89.1	90.2	91.5	92.8	93.8	94.9	95.3	95.3	95.9	96.1	96.3	96.3
GE 200	71.4	82.6	85.2	87.5	89.1	90.2	91.5	92.8	93.8	95.4	95.9	95.9	96.9	97.1	97.4	97.6
GE 100	71.4	82.6	85.2	87.5	89.1	90.2	91.5	92.8	93.8	95.4	96.0	96.1	97.1	97.3	98.4	99.4
GE 0	71.4	82.6	85.2	87.5	89.1	90.2	91.5	92.8	93.8	95.4	96.0	96.1	97.1	97.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GL 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GL 0
NO CEIL	43.4	45.4	45.7	46.1	46.3	46.6	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	47.0
GE 2000	46.9	49.2	49.8	50.2	50.4	50.6	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.1
GE 1800	46.9	49.2	49.8	50.2	50.4	50.6	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.1
GE 1600	46.9	49.4	49.9	50.3	50.5	50.8	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.2
GE 1400	46.2	50.6	51.2	51.8	52.0	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.5	52.5
GE 1200	48.8	51.3	52.0	52.5	52.7	52.9	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.3
GE 1000	50.2	53.3	54.1	54.5	54.7	54.9	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.4
GE 900	51.5	55.1	55.8	56.2	56.5	56.7	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.1
GE 800	52.2	55.8	56.6	57.0	57.2	57.4	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.8
GE 700	54.0	57.7	58.5	58.9	59.1	59.4	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.8
GE 600	54.6	58.6	59.5	59.9	60.1	60.3	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.8
GE 500	55.7	60.1	61.0	61.4	61.6	61.8	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.3
GE 400	56.9	61.4	62.3	62.7	62.9	63.1	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.5
GE 350	57.5	62.6	63.4	63.9	64.1	64.3	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7
GE 300	59.1	64.4	65.4	65.8	66.0	66.2	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7
GE 250	60.9	66.5	67.5	68.1	68.4	68.6	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.0
GE 200	61.7	68.3	69.9	70.5	70.9	71.1	71.5	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	72.0
GE 180	64.1	71.6	73.4	74.4	74.8	75.1	75.5	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.2
GE 160	64.4	72.6	74.5	75.5	76.1	76.3	76.8	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.5
GE 150	65.6	74.5	76.7	77.8	78.6	78.8	79.2	80.0	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.5
GE 120	67.1	77.0	79.1	80.3	81.3	81.7	82.3	83.0	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.8
GE 100	67.8	78.1	80.5	81.7	82.7	83.1	83.8	84.5	84.5	84.6	84.8	84.8	85.1	85.2	85.2	85.5
GE 90	68.6	78.6	81.5	82.7	83.7	84.2	84.9	85.9	85.9	86.3	86.7	86.7	86.9	86.9	87.2	87.2
GE 80	69.7	79.7	82.6	83.9	84.9	85.7	86.6	87.4	88.0	88.5	89.8	89.8	89.2	89.2	89.2	89.6
GE 70	69.0	79.9	83.0	84.5	85.7	86.6	87.6	87.9	88.5	89.1	90.4	90.5	90.9	90.9	91.2	91.2
GE 60	69.1	80.1	83.3	84.6	86.1	87.0	88.2	89.8	90.2	91.0	91.4	91.7	91.7	91.7	91.7	92.0
GE 50	69.5	80.4	83.7	85.4	87.0	88.1	89.4	91.0	91.5	92.5	92.9	93.0	93.4	93.4	93.4	93.8
GE 40	69.5	80.6	84.2	86.0	87.6	88.7	90.2	92.4	92.9	93.9	94.5	94.6	95.3	95.3	95.6	95.6
GE 30	69.5	80.6	84.2	86.2	87.8	88.9	90.5	93.1	93.7	95.1	95.7	95.8	96.8	96.8	97.1	97.1
GE 20	69.5	80.6	84.2	86.2	87.8	88.9	90.5	93.4	94.7	95.7	96.8	96.9	98.2	98.2	98.2	98.6
GE 10	69.5	80.6	84.2	86.2	87.8	88.9	90.5	93.4	94.7	95.7	96.8	96.9	98.2	98.2	98.5	99.6
UF	69.5	80.6	84.2	86.2	87.8	88.9	90.5	93.4	94.0	95.7	96.8	96.9	98.2	98.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(1ST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4	GE 0
NO CLIL	44.1	46.5	47.2	47.4	47.6	47.6	47.8	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4
GE 10000	49.8	52.5	53.5	53.8	54.0	54.0	54.2	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7
GE 18000	49.9	52.6	53.7	53.9	54.1	54.1	54.3	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8
GE 16000	49.9	52.6	53.7	53.9	54.1	54.1	54.3	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	52.5	53.2	54.3	54.5	54.7	54.7	54.9	55.3	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5
GE 12000	51.4	54.1	55.2	55.4	55.6	55.6	55.8	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
GE 10000	52.6	55.5	56.6	56.8	57.1	57.1	57.3	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8
GE 9000	54.3	57.4	58.5	58.7	59.0	59.0	59.2	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8
GE 8000	54.6	58.3	59.4	59.6	59.9	59.9	60.1	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
GE 7000	55.3	58.9	60.0	60.2	60.6	60.6	60.9	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4
GE 6000	55.5	59.1	60.2	60.4	60.9	60.9	61.1	61.4	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
GE 5000	56.0	60.6	61.8	62.0	62.5	62.5	62.7	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2
GE 4500	57.3	61.3	62.5	62.9	63.3	63.4	63.7	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
GE 4000	57.6	61.8	63.1	63.5	64.0	64.1	64.3	64.6	64.7	64.7	65.2	65.2	65.2	65.2	65.2	65.2
GE 3500	58.5	63.0	64.3	64.7	65.2	65.3	65.5	65.8	66.9	66.9	66.3	66.3	66.3	66.3	66.3	66.3
GE 3000	60.4	65.2	66.5	66.9	67.3	67.5	67.7	68.1	68.2	68.2	68.6	68.6	68.6	68.6	68.6	68.6
GE 2500	62.3	67.2	68.8	69.2	69.8	70.1	70.3	70.9	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6
GE 2000	66.2	72.4	74.1	74.6	75.2	75.6	75.8	76.3	76.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1
GE 1800	67.6	74.2	75.9	76.5	77.0	77.4	77.6	78.2	78.3	78.6	78.9	78.9	78.9	78.9	78.9	78.9
GE 1500	69.7	76.9	78.6	79.5	80.3	80.8	81.0	81.5	81.7	82.0	82.4	82.4	82.4	82.4	82.4	82.4
GE 1200	71.7	80.0	81.7	82.8	83.7	84.1	84.3	84.9	85.2	85.8	86.3	86.3	86.3	86.3	86.3	86.3
GE 1000	72.6	81.6	83.3	84.5	85.4	85.9	86.1	86.9	87.1	87.7	88.6	88.6	88.6	88.6	88.6	88.6
GE 900	77.3	82.6	84.4	85.7	86.8	87.3	87.5	88.3	88.5	89.1	90.0	90.0	90.1	90.1	90.1	90.1
GE 800	73.8	83.2	85.3	86.7	88.0	88.6	89.0	89.9	90.2	91.0	92.0	92.0	92.2	92.2	92.2	92.2
GE 700	74.2	84.2	86.2	87.7	89.0	90.0	91.2	91.5	92.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2
GE 600	74.2	84.4	86.8	88.5	89.9	90.9	91.3	92.3	92.6	94.1	95.4	95.5	95.5	95.5	95.5	95.5
GE 500	74.2	84.9	87.3	89.5	91.3	91.6	93.2	94.9	95.4	97.1	98.7	99.1	99.5	99.5	99.5	99.5
GE 400	74.2	84.9	87.3	89.5	91.3	92.6	93.2	94.9	95.4	97.1	98.7	99.1	99.5	99.5	99.5	99.5
GE 300	74.2	84.9	87.3	89.5	91.3	92.6	93.2	94.9	95.4	96.9	98.2	98.4	98.5	98.5	98.5	98.5
GE 200	74.2	84.9	87.3	89.5	91.3	92.6	93.2	94.9	95.4	97.1	98.6	99.0	99.2	99.2	99.2	99.2
GE 100	74.2	84.9	87.3	89.5	91.3	92.6	93.2	94.9	95.4	97.1	98.7	99.1	99.4	99.4	99.4	99.4
GE 0	74.2	84.9	87.3	89.5	91.3	92.6	93.2	94.9	95.4	97.1	98.7	99.1	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	10	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
FEET	1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	4/16	1/4	0
NO CEIL	43.5	45.2	45.4	45.4	45.7	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	
GE 20000	50.3	52.9	53.1	53.2	53.5	53.5	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
GE 18000	50.4	53.0	53.2	53.3	53.7	53.7	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
GE 16000	50.4	53.0	53.2	53.3	53.7	53.7	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
GE 14000	57.4	53.0	53.2	53.3	53.7	53.7	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
GE 12000	57.6	53.2	53.5	53.8	54.1	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	55.1	55.1	55.1	
GE 10000	51.0	54.2	54.5	54.7	55.1	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	56.0	56.0	56.0	
GE 9000	53.5	56.8	57.1	57.3	57.6	57.6	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.6	
GE 8000	54.8	58.2	58.7	58.9	59.2	59.2	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.2	60.2	60.2	
GE 7000	55.8	59.1	59.7	60.0	60.3	60.4	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5	
GE 6000	56.5	59.9	60.4	60.9	61.2	61.3	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.4	62.4	62.4	
GE 5000	59.2	61.8	62.4	62.9	63.1	63.2	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.4	64.4	64.4	
GE 4000	58.6	62.5	63.0	63.4	63.9	64.1	64.7	64.8	64.8	64.8	64.8	64.8	64.8	65.3	65.3	65.3	
GE 3000	59.4	63.3	63.9	64.3	64.7	64.9	65.6	65.7	65.8	65.8	65.8	65.8	65.8	66.2	66.2	66.2	
GE 3500	60.2	64.2	64.7	65.4	65.8	66.0	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.3	67.3	67.3	
GE 3000	63.5	67.6	68.4	69.0	69.7	69.9	70.5	70.6	70.8	70.9	70.9	71.0	71.3	71.3	71.3	71.3	
GE 2500	67.3	72.2	72.7	73.3	74.0	74.3	74.9	75.1	75.2	75.3	75.3	75.4	75.4	75.7	75.7	75.7	
GE 2000	70.9	76.6	77.3	78.0	78.7	79.1	80.0	80.2	80.3	80.4	80.4	80.5	80.5	80.9	80.9	80.9	
GE 1800	71.9	78.3	79.1	79.8	80.5	81.1	81.8	82.0	82.2	82.3	82.3	82.4	82.4	82.7	82.7	82.7	
GE 1500	73.7	80.3	81.2	81.9	82.7	83.1	84.0	84.2	84.4	84.5	84.5	84.6	84.6	84.9	84.9	84.9	
GE 1200	74.2	82.5	83.5	84.4	85.6	86.2	87.3	87.7	88.0	88.2	88.2	88.3	88.6	88.6	88.6	88.6	
GE 1000	74.8	83.3	84.7	85.6	86.8	87.4	88.6	89.1	89.4	89.9	90.1	90.2	90.5	90.5	90.5	90.5	
GE 900	76.1	84.9	86.8	87.7	88.9	89.7	91.0	91.5	91.7	92.0	92.6	92.7	93.0	93.0	93.0	93.0	
GE 800	76.2	F5.4	87.4	88.4	89.7	90.5	91.9	92.6	92.8	93.0	93.7	93.8	94.1	94.1	94.1	94.1	
GE 700	76.2	F5.7	88.2	89.4	90.8	91.7	93.2	93.9	94.1	94.8	95.2	95.5	95.6	95.6	95.6	95.6	
GE 600	76.2	86.0	88.6	90.2	91.8	93.2	94.9	95.7	96.0	96.9	97.2	97.3	97.6	97.7	97.7	97.7	
GE 500	76.2	86.0	88.6	90.2	91.8	93.2	94.8	95.9	96.2	97.1	97.4	97.5	97.8	98.0	98.0	98.0	
GE 400	76.2	86.0	88.6	90.2	91.8	93.2	94.8	95.6	96.2	97.5	97.8	98.0	98.4	98.5	98.5	98.5	
GE 300	76.2	86.0	88.6	90.2	91.8	93.2	94.6	95.5	96.0	98.1	98.4	98.5	98.9	99.0	99.0	99.0	
GE 200	76.2	86.0	88.6	90.2	91.8	93.2	94.9	95.8	97.1	98.5	98.8	99.1	99.8	100.0	100.0	100.0	
GE 100	76.2	86.0	88.6	90.2	91.8	93.2	94.9	96.0	97.1	98.5	99.0	99.1	99.8	100.0	100.0	100.0	
GE 0	76.2	86.0	88.6	90.2	91.8	93.2	94.9	95.0	97.1	98.5	99.0	99.1	99.8	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 1000-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0			
NO CEIL	47.1	49.4	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	51.3	54.3	54.3	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 18000	51.3	54.3	54.3	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 16000	51.3	54.3	54.3	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 14000	51.4	54.4	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 12000	52.3	55.3	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 10000	53.5	57.0	57.1	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 9000	54.6	58.1	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 8000	56.0	59.6	59.7	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 7000	57.3	60.9	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 6000	57.7	61.3	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 5000	59.6	63.3	63.4	63.5	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 4500	60.3	64.3	64.4	64.5	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4000	61.0	65.1	65.2	65.3	65.5	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 3500	62.7	67.2	67.5	67.6	67.8	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 3000	66.2	71.5	72.0	72.3	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 2500	69.4	74.8	75.4	75.7	76.2	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 2000	71.8	78.7	79.2	79.7	80.4	80.5	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 1800	72.8	79.8	80.4	81.2	81.9	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 1500	74.3	81.7	82.4	83.3	84.4	84.6	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1000	75.1	83.1	84.1	85.2	86.2	86.9	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 100	75.9	85.2	86.3	87.4	88.7	89.4	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 90	76.6	86.1	87.5	88.6	89.9	90.6	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 80	77.0	86.9	88.4	89.8	91.2	91.9	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 70	77.2	87.7	89.5	90.9	92.4	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 60	77.2	87.7	89.7	91.3	92.9	94.0	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 50	77.2	87.6	90.0	91.6	93.2	94.3	95.5	96.5	96.6	96.6	97.1	97.2	97.3	97.6	97.6	97.6	97.6	97.6
GE 40	77.2	87.8	90.0	91.6	93.4	94.5	95.7	96.8	96.8	96.8	97.6	97.7	97.8	98.3	98.3	98.3	98.3	98.3
GE 30	77.2	88.0	90.3	91.9	93.9	94.9	96.1	97.4	97.5	97.5	98.4	98.6	99.0	99.6	99.6	99.6	99.6	99.6
GE 20	77.2	88.0	90.3	91.9	93.9	94.9	96.1	97.4	97.5	97.5	98.4	98.6	99.0	99.6	99.6	99.6	99.6	99.6
GE 10	77.2	88.0	90.3	91.9	93.9	94.9	96.1	97.4	97.5	97.5	98.4	98.6	99.0	99.6	99.6	99.6	99.6	99.6
TOTAL NUMBER OF OBSERVATIONS:	930																	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	CL 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	47.7	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 20000	50.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.5	53.5	53.5	53.7	53.7	53.7	53.7
GE 18000	50.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.5	53.5	53.5	53.7	53.7	53.7	53.7
GE 16000	50.6	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.5	53.5	53.5	53.7	53.7	53.7	53.7
GE 14000	50.8	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.7	53.7	53.7	53.8	53.8	53.8	53.8
GE 12000	51.1	53.4	53.4	53.7	53.7	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.1	54.1	54.1	54.1
GE 10000	53.1	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.3	56.3	56.3	56.5	56.5	56.5	56.5
LE 9000	53.7	56.1	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.9	56.9	56.9	57.0	57.0	57.0	57.0
GE 8000	54.8	57.3	57.5	57.7	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.2	58.2	58.2	58.2
GE 7000	56.8	59.2	59.5	59.7	59.7	59.7	59.7	59.7	59.7	60.0	60.0	60.0	60.1	60.1	60.1	60.1
GE 6000	57.6	60.1	60.3	60.5	60.5	60.5	60.5	60.5	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0
GE 5000	59.7	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0
GE 4500	61.3	64.4	64.7	65.1	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5
CE 4000	62.0	65.3	65.6	65.9	65.9	65.9	65.9	65.9	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3
GE 3500	63.8	67.3	67.6	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 3000	68.0	72.7	73.0	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8
GE 2500	69.7	75.1	75.4	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1
LE 2000	72.4	78.3	78.6	79.2	79.4	79.4	79.4	79.4	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8
LE 1500	77.3	79.4	79.9	80.3	80.4	80.4	80.4	80.4	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9
GE 1500	75.3	91.7	82.6	83.2	83.5	83.5	83.5	83.5	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0
GE 1200	76.6	83.3	84.6	85.5	85.9	85.9	85.9	86.1	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6
GE 1100	78.1	85.4	87.1	98.1	88.5	88.5	88.5	88.7	88.7	89.0	89.0	89.0	89.1	89.1	89.1	89.1
GE 900	78.5	86.7	88.6	89.6	90.2	90.2	90.2	90.4	90.4	91.0	91.0	91.0	91.1	91.1	91.1	91.1
GE 800	78.6	87.2	89.2	90.4	91.0	91.1	91.2	91.5	91.5	92.0	92.0	92.0	92.2	92.2	92.2	92.2
GE 700	79.1	87.8	90.0	91.0	91.7	91.8	92.0	92.4	92.4	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 600	79.4	88.5	91.0	91.9	92.8	93.1	93.4	94.0	94.0	94.7	94.7	94.8	94.9	94.9	94.9	94.9
GE 500	79.4	89.1	92.2	93.4	94.5	94.8	95.2	95.7	95.7	96.5	96.7	96.7	96.8	96.8	96.8	96.8
GE 400	79.5	89.2	92.3	93.5	94.6	94.9	95.6	96.2	96.2	97.2	97.4	97.4	97.5	97.5	97.5	97.5
GE 300	79.5	89.2	92.5	93.8	95.1	95.4	96.0	96.9	97.0	98.0	98.2	98.2	98.4	98.4	98.4	98.4
GE 200	79.5	89.2	92.5	93.8	95.1	95.4	96.0	96.9	97.0	98.0	98.3	98.4	99.0	99.4	99.4	99.4
GE 100	79.5	89.2	92.5	93.8	95.1	95.4	96.0	96.9	97.0	98.0	98.4	98.5	99.1	99.5	99.7	99.7
LE 01	79.5	89.2	92.5	93.8	95.1	95.4	96.0	96.9	97.0	98.0	98.4	98.5	99.1	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
10	15	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	7/8	1/2	5/16	1/4	0
NO CEIL	44.4	47.1	47.5	47.8	47.9	48.0	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3
GE 200001	48.3	51.4	51.8	52.2	52.3	52.3	52.5	52.5	52.5	52.6	52.6	52.6	52.8	52.8	52.8	52.8
GE 180001	48.3	51.4	51.9	52.2	52.3	52.4	52.5	52.5	52.6	52.6	52.7	52.7	52.8	52.8	52.9	52.9
GE 160001	48.3	51.5	51.9	52.2	52.4	52.4	52.5	52.5	52.6	52.6	52.7	52.7	52.9	52.9	52.9	52.9
GE 140001	48.8	51.9	52.4	52.7	52.8	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.3	53.3	53.4	53.4
GE 120001	49.4	52.5	53.0	53.3	53.5	53.5	53.6	53.7	53.7	53.8	53.8	53.8	54.0	54.0	54.0	54.0
GE 100001	51.4	54.6	55.4	55.7	55.9	55.9	56.0	56.1	56.1	56.2	56.2	56.2	56.4	56.4	56.4	56.5
GE 90001	52.7	56.3	56.8	57.1	57.3	57.3	57.4	57.5	57.5	57.6	57.6	57.6	57.8	57.8	57.8	57.9
GE 80001	55.7	57.4	57.9	58.3	58.4	58.5	58.6	58.7	58.7	58.8	58.8	58.8	59.0	59.0	59.0	59.0
GE 70001	55.7	58.9	59.5	59.8	60.2	60.6	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0
GE 60001	56.0	59.9	60.5	60.8	61.0	61.1	61.2	61.3	61.3	61.4	61.4	61.5	61.6	61.6	61.6	61.7
GE 50001	57.7	61.8	62.4	62.8	63.0	63.0	63.2	63.3	63.3	63.4	63.4	63.4	63.6	63.6	63.6	63.7
GE 45001	58.5	63.0	63.7	64.1	64.3	64.4	64.6	64.7	64.7	64.8	64.8	64.8	65.0	65.0	65.0	65.0
GE 40001	59.5	63.9	64.6	65.0	65.2	65.3	65.5	65.6	65.6	65.7	65.8	65.8	66.0	66.0	66.0	66.0
GE 35001	60.9	65.6	66.3	66.6	67.0	67.1	67.1	67.4	67.4	67.5	67.6	67.6	67.8	67.8	67.8	67.9
GE 30001	64.1	69.3	70.1	70.6	71.0	71.1	71.2	71.3	71.3	71.4	71.5	71.6	71.7	71.7	71.8	71.8
GE 25001	66.1	72.0	72.9	73.5	73.9	74.0	74.2	74.4	74.5	74.6	74.7	74.7	74.9	74.9	74.9	74.9
GE 21001	69.0	75.5	76.5	77.4	77.7	77.9	78.1	78.3	78.4	78.6	78.7	78.7	78.8	78.8	78.9	78.9
GE 18001	70.0	76.7	77.8	78.6	79.1	79.3	79.6	79.5	79.5	79.8	80.0	80.1	80.3	80.3	80.3	80.4
GE 17001	71.5	78.7	80.0	80.4	81.5	81.6	82.1	82.3	82.4	82.6	82.7	82.7	82.9	82.9	83.0	83.0
GE 15001	72.7	80.8	82.0	83.2	84.1	84.4	84.7	85.1	85.2	85.4	85.5	85.6	85.7	85.7	85.8	85.8
GE 13001	74.3	84.0	84.6	85.1	86.0	86.4	86.8	87.3	87.4	87.6	87.8	87.9	88.1	88.1	88.1	88.1
GE 90001	74.3	85.1	85.1	85.4	86.4	87.3	87.8	88.2	88.6	88.9	89.4	89.5	89.7	89.7	89.8	89.8
GE 80001	74.6	85.9	87.3	88.4	88.9	89.5	90.1	90.3	90.7	91.0	91.0	91.2	91.3	91.3	91.4	91.4
GE 70001	76.8	84.6	86.7	88.2	89.4	90.0	90.7	91.5	91.7	92.3	92.5	92.6	92.8	92.8	92.9	93.0
GE 60001	74.9	84.9	87.2	88.7	90.2	90.9	91.7	92.6	92.9	93.6	93.9	94.0	94.2	94.3	94.4	94.4
GE 50001	76.7	85.3	87.0	89.6	91.0	91.8	92.8	93.8	94.1	95.0	95.3	95.4	95.7	95.7	95.8	95.8
GE 41001	75.7	85.5	88.0	90.0	91.5	92.3	93.5	94.7	95.0	96.0	96.4	96.7	96.8	96.9	96.9	96.9
GE 30001	75.7	85.6	88.3	90.2	91.9	92.6	93.9	95.3	95.7	96.8	97.3	97.4	97.6	97.6	97.6	97.6
GE 13001	75.0	85.6	88.3	90.2	91.9	92.7	94.0	95.5	95.9	97.2	97.8	98.0	98.7	98.8	98.9	99.0
GE 12001	75.0	85.6	88.3	90.2	91.9	92.7	94.0	95.6	96.0	97.2	97.9	98.1	98.8	99.0	99.4	99.7
GE 11001	75.0	85.6	88.3	90.2	91.9	92.7	94.0	95.6	96.0	97.2	97.9	98.1	98.8	99.0	99.4	99.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 76-87  
MONTH: APR      HOURS(LST): 0000-0200

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH  
USAFTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0300-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 1/8	GE 1/2	GE 5/16	GE 1 1/4	GE 3
NO CEIL	55.7	57.4	57.9	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.9	58.9	59.0	59.0
GE 20000	57.9	59.7	60.1	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1	61.1	61.2	61.2	61.2
GE 16000	57.9	59.7	60.1	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1	61.1	61.2	61.2	61.2
GE 14000	57.9	59.7	60.1	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.1	61.1	61.2	61.2	61.2
GE 12000	58.0	60.3	60.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.8	61.8	61.9	61.9	61.9
GE 10000	59.4	61.6	62.0	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.0	63.0	63.1	63.1	63.1
GE 10000	62.8	64.7	65.2	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.2	66.2	66.3	66.3	66.3
GE 9000	63.7	65.6	66.1	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.1	67.1	67.2	67.2	67.2
GE 8000	66.6	68.8	69.3	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.3	70.3	70.4	70.4	70.4
GE 7000	68.4	71.1	71.7	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.7	72.7	72.8	72.8	72.8
GE 6000	69.2	72.1	72.7	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.7	73.7	73.8	73.8	73.8
GE 5000	71.1	74.1	74.7	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.7	75.7	75.8	75.8	75.8
GE 4500	72.7	75.8	76.3	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.3	77.3	77.4	77.4	77.4
GE 4000	73.9	77.0	77.7	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	79.7	79.7	79.8	79.8	79.8
GE 3500	75.0	78.1	78.8	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.8	79.8	79.9	79.9	79.9
GE 3000	77.3	80.9	81.6	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.6	82.6	82.7	82.7	82.7
GE 2500	82.0	83.8	84.4	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.4	85.4	85.6	85.6	85.6
GE 2100	81.4	85.9	86.7	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.7	87.7	87.8	87.8	87.8
GE 1700	82.0	86.6	87.3	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	89.4	89.4	89.6	89.6	89.6
GE 1500	82.9	87.9	88.7	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.2	90.2	90.2
GE 1200	83.6	89.0	89.8	90.6	91.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.0	91.0	91.0	91.0	91.0
GE 1100	84.4	89.8	90.6	91.3	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.2	92.2	92.3	92.3	92.3
GE 900	85.1	90.7	91.4	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.3	93.3	93.4	93.4	93.4
GE 800	86.0	91.8	92.7	93.4	93.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.9	94.9	95.0	95.0	95.0
GE 700	86.1	92.2	93.1	93.9	94.1	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.1	95.1	95.2	95.2	95.2
GE 600	86.1	92.6	94.1	95.0	95.2	95.3	95.8	95.8	95.8	95.8	96.1	96.3	96.3	96.8	96.8	96.9	96.9	96.9
GE 500	86.2	93.1	94.4	95.4	95.7	95.6	96.2	96.2	96.2	96.2	96.6	96.8	96.8	97.2	97.2	97.3	97.3	97.3
GE 400	86.3	93.7	95.1	96.1	96.6	96.7	97.1	97.1	97.1	97.1	97.4	97.7	97.7	98.1	98.1	98.2	98.2	98.2
GE 300	86.3	93.8	95.2	96.4	97.0	97.2	97.7	97.7	97.7	97.7	98.0	98.2	98.2	98.7	98.7	98.8	98.8	98.8
GE 200	86.3	93.8	95.2	96.4	97.0	97.2	97.8	97.8	97.8	97.8	98.4	99.0	99.0	99.2	99.2	99.4	99.4	99.4
GE 100	86.3	93.8	95.2	96.4	97.0	97.2	97.8	97.8	97.8	97.8	98.6	99.1	99.1	99.6	99.6	99.8	99.8	99.8
GE 0	96.3	93.8	95.2	96.4	97.0	97.2	97.8	97.8	97.8	97.8	98.8	99.1	99.1	99.6	99.6	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1 10 GE 6 5 4 GE 3 2 1/2 GE 2 1 1/2 1 1/4 GE 1 7/4 GE 5/8 GE 1/2 GE 7/16 GE 1/4 GE 3																
NO CEIL	51.9	53.9	53.9	54.2	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.9	55.0
GE 20000	56.6	59.1	59.1	59.4	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.1	60.2
GE 18000	57.1	59.4	59.4	59.8	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.4	60.6
GE 16000	57.1	59.4	59.4	59.8	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.4	60.6
GE 14000	57.6	59.9	59.9	60.2	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.9	61.0
GE 12000	57.9	60.2	60.3	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.3	61.4
GE 10000	67.4	64.6	65.1	65.4	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.2	66.3
GE 9000	67.7	66.2	66.6	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.6	67.8
GE 8000	65.6	68.2	68.6	68.9	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.7	69.9
GE 7000	66.6	69.6	69.9	70.2	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	71.0	71.1
GE 6000	67.8	71.2	71.7	72.2	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.0	73.1	73.4
GE 5000	69.0	72.7	73.1	73.4	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.4	74.7
GE 4500	70.0	74.0	74.4	74.8	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.6	75.8
GE 4000	71.2	75.6	76.1	76.6	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.4	78.0
GE 3500	71.7	76.0	76.6	77.0	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.3	78.4
GE 3000	77.9	78.3	78.9	79.3	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.6	80.7	81.8
GE 2500	76.4	81.2	82.0	82.4	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.6	83.7	83.9
GE 2100	79.3	83.3	84.2	84.7	85.2	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	86.0	86.2	86.3
GE 1800	79.1	84.3	85.2	85.7	86.2	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	87.0	87.1	87.3
GE 1500	80.4	86.0	87.1	87.7	88.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.3	89.4	89.6
GE 1200	81.2	87.2	88.3	88.7	89.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.7	90.8	90.9
GE 1000	81.4	88.1	89.3	89.4	89.4	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.7	91.9
GE 900	82.2	89.6	90.8	91.3	91.9	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	93.0	93.2	93.4
GE 800	82.6	90.2	91.6	92.1	92.7	93.0	93.4	93.6	93.7	94.0	94.1	94.1	94.1	94.1	94.4	94.6	94.7
GE 700	82.9	90.8	92.1	92.7	93.3	93.8	94.2	94.3	94.4	94.9	95.0	95.1	95.3	95.4	95.6	95.7	95.8
GE 600	83.3	91.4	93.0	93.7	94.3	94.6	95.4	95.6	95.7	96.2	96.3	96.6	96.9	96.9	97.0	97.1	97.2
GE 500	83.6	92.0	93.6	94.2	95.1	95.7	96.4	96.4	96.6	96.7	97.0	97.4	97.7	97.9	98.0	98.1	98.2
GE 400	83.6	92.2	93.8	94.6	95.6	96.1	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	94.4	94.6	94.7
GE 300	83.6	92.2	93.8	94.7	95.9	96.4	97.2	97.3	97.4	98.0	98.2	98.4	98.7	98.8	99.0	99.1	99.2
GE 200	83.6	92.2	93.8	94.7	95.9	96.4	97.2	97.3	97.4	98.0	98.2	98.4	98.7	98.8	99.0	99.2	99.3
GE 100	83.6	92.2	93.8	94.7	95.9	96.4	97.2	97.3	97.4	98.0	98.2	98.4	98.7	98.8	99.0	99.2	99.3
GE	83.6	92.2	93.8	94.7	95.9	96.4	97.2	97.3	97.4	98.0	98.2	98.4	98.7	98.8	99.0	99.2	99.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	GL	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	51.7	55.8	56.0	56.0	56.1	56.1	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 20000	59.8	61.9	62.1	62.1	62.2	62.2	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 18000	60.0	62.1	62.3	62.3	62.4	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 16000	60.2	62.3	62.6	62.6	62.7	62.7	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 14000	60.6	62.7	62.9	62.9	63.0	63.0	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 12000	60.8	63.0	63.2	63.2	63.3	63.3	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 10000	63.9	66.0	66.3	66.3	66.4	66.4	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 9000	64.7	66.9	67.2	67.2	67.3	67.3	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 8000	66.0	68.3	68.7	68.7	68.9	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 7000	69.1	70.6	70.9	71.1	71.2	71.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 6000	69.6	71.0	71.3	71.6	71.7	71.9	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 5000	69.6	72.2	72.6	72.8	72.9	73.1	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4000	70.6	73.2	73.6	73.8	73.9	74.1	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 3000	71.6	74.2	74.6	74.8	74.9	75.1	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3500	72.3	75.1	75.4	75.7	75.8	76.0	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 3000	73.3	76.2	76.6	76.9	77.1	77.3	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GF 2500	76.9	79.4	79.8	80.1	80.3	80.6	80.9	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 27000	79.9	83.6	83.9	84.2	84.4	84.7	85.0	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 18000	80.8	84.6	84.9	85.2	85.4	85.8	86.2	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 15000	82.2	86.2	86.7	87.0	87.3	87.6	87.9	88.3	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 17000	83.0	87.7	88.1	88.6	89.3	89.7	90.2	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 11000	87.8	89.0	89.4	89.9	91.0	91.3	92.1	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 9000	84.9	90.4	91.1	91.6	92.7	93.2	94.0	94.3	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 8000	85.2	91.0	91.7	92.1	93.2	93.8	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 7000	86.1	92.3	93.0	93.4	94.8	95.4	96.2	96.6	96.6	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 6000	86.3	92.9	93.6	94.1	95.4	96.1	96.9	97.2	97.2	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
GE 5000	86.3	93.2	94.0	94.7	95.0	96.0	96.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4000	86.3	93.2	94.0	94.7	95.0	96.0	96.8	97.8	98.1	98.1	99.0	99.0	99.2	99.3	99.4	99.4	99.4
GE 3000	86.3	93.2	94.0	94.7	95.0	96.0	96.8	97.8	98.1	98.1	99.1	99.2	99.4	99.6	99.7	99.7	99.7
GE 2000	86.3	93.2	94.0	94.7	95.0	96.0	96.8	97.8	98.1	98.1	99.1	99.2	99.4	99.6	99.7	99.7	99.7
GE 1000	86.3	93.2	94.0	94.7	95.0	96.0	96.8	97.8	98.1	98.1	99.1	99.2	99.4	99.7	99.7	99.8	99.8
GE 0	86.3	93.2	94.0	94.7	95.0	96.0	96.8	97.8	98.1	98.1	99.2	99.3	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 1200-1400

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 78-87

MONTH: APR

HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	Gt 1/16	GL 1/4	GL 6	
NO CEIL	47.7	48.0	48.1	48.7	48.8	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 20000	56.9	57.2	57.3	57.9	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 18000	57.0	57.3	57.4	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 16000	57.0	57.3	57.4	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 14000	57.9	58.2	58.3	58.9	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 12000	59.0	59.3	59.4	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 10000	61.7	62.6	62.7	63.2	63.3	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 9000	63.3	64.6	64.7	65.2	65.3	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 8000	64.7	66.0	66.1	66.7	66.8	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 7000	66.2	67.6	67.7	68.2	68.3	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	68.0	69.4	69.6	70.1	70.2	70.3	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 5000	70.2	71.7	71.8	72.3	72.4	72.6	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4500	73.4	74.9	75.0	75.6	75.7	75.8	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4000	74.8	76.3	76.4	77.0	77.1	77.2	77.3	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 3500	76.7	78.7	78.9	79.4	79.6	79.7	79.8	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000	80.2	82.3	82.6	83.1	83.2	83.3	83.4	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2500	83.4	85.9	86.1	86.7	86.9	87.0	87.1	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2100	86.3	88.9	89.2	89.8	90.0	90.1	90.2	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	88.6	89.6	89.9	90.4	91.0	91.1	91.2	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1500	89.0	91.3	91.7	92.2	92.8	92.9	93.0	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200	88.9	92.7	93.2	93.6	94.3	94.4	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	89.0	93.2	93.9	94.4	95.0	95.1	95.4	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	89.8	94.1	94.6	95.3	95.9	96.0	96.3	96.4	96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	89.9	94.3	95.3	95.6	96.1	96.2	96.7	96.9	96.9	97.2	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	89.9	94.8	95.4	96.0	96.6	96.7	97.2	97.6	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	89.9	95.0	95.7	96.6	97.1	97.2	97.8	98.3	98.3	98.8	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	89.9	95.0	95.7	96.6	97.1	97.2	97.8	98.3	98.3	98.8	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	89.9	95.0	95.8	96.7	97.2	97.4	98.0	98.6	98.6	99.0	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	89.9	95.0	95.2	96.7	97.2	97.4	98.0	98.7	98.8	99.2	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	89.9	95.0	95.8	96.7	97.2	97.4	98.0	98.6	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.9	95.0	95.6	96.7	97.2	97.4	98.0	98.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	89.9	95.0	95.8	96.7	97.2	97.4	98.0	98.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLO FARGO ND

PERIOD OF RECORD: 78-87

MONTH: APR

HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	52.1	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 20000	62.0	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 18000	62.1	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 16000	62.1	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 14000	62.0	62.9	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 12000	63.3	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	67.6	68.7	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 9000	69.1	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 8000	71.0	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 7000	73.8	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 6000	75.4	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 5000	78.2	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4000	80.6	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 4000	81.4	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3000	83.2	85.6	85.7	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	85.1	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2500	87.3	89.6	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2000	88.9	91.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1800	89.1	92.1	92.6	92.9	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1500	90.0	93.4	93.9	94.5	94.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1200	97.6	94.7	95.1	95.7	95.8	96.0	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	97.6	95.1	95.6	96.2	96.3	96.6	97.0	97.0	97.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	95.9	95.7	96.1	96.6	96.9	97.1	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	97.9	96.0	96.6	97.3	97.4	97.8	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	97.9	96.0	96.6	97.3	97.4	97.6	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	95.9	96.0	96.7	97.8	97.9	98.2	98.8	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1
GE 500	91.0	96.1	96.8	97.9	98.0	98.3	98.9	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6
GE 400	91.0	96.1	96.9	98.0	98.1	98.4	99.0	99.0	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7
GE 300	91.0	96.2	97.0	98.1	98.2	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	91.0	96.2	97.0	98.1	98.2	98.6	99.1	99.3	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	91.0	96.2	97.0	98.1	98.2	98.6	99.1	99.3	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	91.0	96.2	97.0	98.1	98.2	98.6	99.1	99.3	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10 6	GE 6 5	GE 4 3	GE 3 2	GE 2 1 1/2	GE 2 1 1/2	GE 1 1 1/4	GE 1 1	GE 3/4 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0			
NO CEIL	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 20000	65.3	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 16000	66.0	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	66.0	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 14000	66.7	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 12000	67.1	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 10000	69.6	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 9000	70.9	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 8000	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 7000	76.0	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	78.9	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 5000	80.3	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 4500	81.6	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 4000	82.6	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 3500	84.0	85.1	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	85.9	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2500	88.1	90.2	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 2000	89.0	91.2	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	89.6	92.0	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1600	90.0	93.2	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	90.4	94.3	95.4	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1100	90.6	94.6	95.6	96.3	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	91.1	95.6	96.8	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	91.1	95.7	96.9	97.0	97.3	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	91.1	95.9	97.1	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	91.1	96.0	97.3	98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	91.1	96.2	97.6	98.7	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	91.1	96.2	97.6	98.7	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	91.1	96.4	97.8	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.1	96.4	97.8	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.1	96.4	97.8	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	91.1	96.4	97.8	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	54.0	55.1	55.3	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	
GE 20000	59.7	60.9	61.1	61.4	61.4	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	
GE 18000	59.9	61.1	61.3	61.6	61.7	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0
GE 16000	59.9	61.2	61.4	61.6	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0
GE 14000	60.5	61.8	62.0	62.2	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6
GE 12000	61.3	62.5	62.8	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4
GE 10000	64.5	65.9	66.2	66.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9
GE 9000	65.7	67.2	67.5	67.7	67.8	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2
GE 8000	67.7	69.3	69.6	69.8	69.9	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3
GE 7000	69.8	71.6	71.9	72.2	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6
GE 6000	71.1	72.9	73.2	73.5	73.6	73.7	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1
GE 5000	72.7	74.7	75.0	75.3	75.5	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9
GE 4500	74.4	76.5	76.8	77.2	77.3	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7
GE 4000	75.7	77.9	78.2	78.6	78.7	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1
GE 3500	77.1	79.5	79.8	80.2	80.3	80.4	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8
GE 3000	79.2	81.8	82.2	82.6	82.7	82.8	82.9	83.0	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	81.9	84.8	85.3	85.7	85.9	86.0	86.1	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4
GE 2000	83.9	87.1	87.7	88.1	88.3	88.4	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9
GE 1800	84.7	88.1	88.7	89.2	89.4	89.6	89.7	89.8	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0
GE 1500	85.6	89.5	90.2	90.7	91.0	91.2	91.4	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 1200	86.5	90.6	91.5	92.1	92.5	92.7	93.0	93.1	93.1	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4
GE 1100	87.0	91.6	92.5	93.1	93.6	93.6	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5
GE 900	92.7	93.6	94.2	94.7	94.9	95.4	95.5	95.5	95.5	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9
GE 800	93.1	94.0	94.7	95.2	95.5	96.0	96.1	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.6
GE 700	94.2	95.5	95.8	96.1	96.6	96.8	96.8	96.8	96.8	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	98.3	93.9	95.0	96.0	96.6	96.9	97.5	97.7	97.7	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	98.3	94.1	95.2	96.3	96.9	97.3	98.0	98.2	98.2	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	98.4	94.2	95.4	96.5	97.2	97.6	99.2	98.4	98.4	98.5	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	98.4	94.3	95.5	96.6	97.4	97.8	98.5	98.7	98.8	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7
GE 200	98.4	94.3	95.5	96.6	97.4	97.8	98.5	98.5	98.6	98.8	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8
GE 100	98.4	94.3	95.5	96.6	97.4	97.8	98.5	98.5	98.6	98.8	99.2	99.5	99.5	99.7	99.7	99.9	99.9	100.0
GE 01	98.4	94.3	95.5	96.6	97.4	97.8	98.5	98.6	98.8	99.3	99.5	99.6	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	57.8	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
GE 20000	63.3	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	
GE 18000	63.3	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	
GE 16000	63.3	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	
GE 14000	63.5	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	
GE 12000	64.8	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	
GE 10000	67.6	69.2	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	
GE 97000	68.9	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	
GE 87000	72.8	72.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	
GE 72000	73.2	74.9	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
GE 60000	74.9	76.6	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	
GE 50000	78.1	80.2	80.4	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	
GE 45000	79.7	81.9	82.3	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
GE 40000	80.5	82.8	83.1	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	
GE 35000	81.6	84.1	84.4	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
GE 30000	83.2	85.9	86.3	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	
GE 25000	84.6	87.8	88.3	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
GE 22000	86.5	90.0	90.6	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
GE 18000	66.9	90.4	91.2	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
GE 15000	87.3	91.2	91.9	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
GE 12000	88.4	92.4	93.1	93.8	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
GE 10000	89.1	93.7	94.5	95.2	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	
GE 95000	89.6	94.2	95.1	95.8	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE 80000	69.9	94.7	95.7	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 70000	90.1	95.1	96.0	96.9	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 60000	90.4	95.4	96.3	97.2	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 50000	90.4	95.5	96.5	97.3	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
GE 40000	90.4	95.9	97.0	98.0	98.7	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
GE 30000	90.4	96.2	97.3	98.4	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 20000	90.4	96.3	97.4	98.5	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 10000	90.4	96.3	97.4	98.5	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE C1	90.4	96.3	97.4	98.5	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																		
IN	FEET	GE	GF	GF	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	
	FEET	1	10	6	5	4	3	2	1/2	2	1 1/2	1	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
NO	CEIL	1	52.2	53.4	53.7	53.9	53.9	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	
GE	20000	57.6	58.9	59.2	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.9	
GE	18000	57.6	58.9	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.9	
GE	16000	57.6	58.9	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.9	
GE	14000	58.1	59.4	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.3	
GE	12000	58.9	60.1	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	61.1	
GE	10000	63.3	64.8	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	66.0	
GE	9000	65.1	66.9	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	68.1	
GE	8000	68.6	70.8	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.9	
GE	7000	72.4	74.6	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	76.0	
GE	6000	74.7	76.5	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.8	
GE	5000	76.9	79.8	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.4	
GE	4500	78.5	81.4	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.9	82.9	82.9	82.9	83.1	
GE	4000	79.1	82.2	82.9	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	84.0	
GE	3500	80.2	83.5	84.3	84.7	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.5	
GE	3000	81.4	84.9	85.7	86.1	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.9	
GE	2500	82.5	96.5	87.2	87.7	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.8	
GE	2000	83.9	98.1	88.8	89.4	89.6	89.7	90.0	90.3	90.0	90.0	90.3	90.3	90.3	90.1	90.1	90.1	90.1	90.4	
GE	1800	84.3	88.6	89.4	89.9	90.1	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	91.0	
GE	1500	85.4	89.7	90.4	91.1	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	92.2	
GE	1200	86.7	91.1	91.5	92.5	92.8	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.7	
GE	1000	87.6	92.4	93.2	93.9	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	95.1	
GE	900	88.0	92.8	93.7	94.3	94.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.5	
GE	800	88.4	93.4	94.4	95.2	95.5	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.5	
GE	700	88.8	94.1	95.1	96.0	96.3	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.3	
GE	600	89.2	94.9	96.0	97.0	97.3	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.4	
GE	500	89.2	95.3	96.3	97.0	97.9	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.9	
GE	400	89.4	95.5	96.6	97.0	98.4	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8	
GE	300	89.4	95.5	96.6	97.0	98.4	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.8	
GE	200	89.4	95.5	96.6	97.0	98.4	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.9	
GE	100	89.4	95.5	96.6	97.0	98.4	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.9	
GE	C	89.4	95.5	96.6	97.0	98.4	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSLS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0600-0800

CEILING	VISIBILITY IN STATUTE MILES															
	IN FEET	100	500	400	300	200	150	100	80	60	50	40	30	20	15	10
NO CEIL	50.2	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 20000	57.1	59.4	59.6	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 18000	57.1	59.4	59.6	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 16000	57.2	59.5	59.7	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 14000	58.9	61.1	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 12000	59.1	61.6	61.9	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 10000	62.9	66.3	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 9000	65.4	69.0	69.5	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 8000	67.7	71.5	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 7000	72.3	74.4	74.8	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 6000	71.4	75.8	76.2	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 5000	73.1	77.7	78.3	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4500	73.8	78.5	79.0	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4000	74.8	79.7	80.2	80.5	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3500	75.1	80.0	80.6	81.0	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 3000	76.0	81.3	81.9	82.3	82.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2500	77.5	83.2	84.3	84.4	84.6	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 2000	79.0	84.6	85.6	86.0	86.3	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1800	79.9	85.8	86.6	87.0	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1500	82.6	98.5	98.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	84.1	90.4	91.3	91.7	92.0	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	85.3	91.6	92.5	93.1	93.4	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 900	85.6	92.2	93.0	93.7	94.0	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 800	86.0	92.6	93.4	94.2	94.5	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 700	86.6	93.4	94.5	95.4	95.7	95.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 600	86.9	94.1	95.5	96.6	97.0	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	86.9	94.3	95.7	96.9	97.4	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	86.9	94.3	95.7	97.1	97.6	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	86.9	94.3	95.7	97.1	97.7	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	86.9	94.3	95.7	97.1	97.7	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	86.9	94.3	95.7	97.1	97.7	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	86.9	94.3	95.7	97.1	97.7	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE						
1	1	2	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4
NO CEIL	53.0	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 20000	60.3	61.7	61.9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 18000	60.3	61.7	61.9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 16000	60.3	61.7	61.9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	61.4	62.9	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 12000	62.4	63.9	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 10000	65.9	67.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 9000	67.6	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 8000	69.4	71.6	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 7000	70.3	72.6	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 6000	71.0	73.2	73.7	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 5000	72.9	75.4	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 4500	73.9	76.5	76.9	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4000	75.1	77.8	78.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3500	75.7	78.6	79.0	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3000	76.9	80.0	80.4	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 2500	78.7	81.8	82.4	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	80.8	84.2	84.7	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1800	81.9	85.5	86.1	86.5	86.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1500	85.3	89.1	89.8	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1200	87.0	91.5	92.2	92.7	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1000	88.3	93.5	94.3	94.9	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 900	88.4	93.6	94.5	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	88.8	94.7	95.5	96.1	96.7	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	88.9	95.2	95.9	96.6	97.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	89.2	95.7	96.6	97.3	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	89.2	96.0	96.9	97.6	98.6	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	89.4	96.2	97.2	98.0	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	89.4	96.2	97.2	98.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.4	96.2	97.2	98.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.4	96.2	97.2	98.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	89.4	96.2	97.2	98.0	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1200-1400

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1500-1700

CEILING FLEET	VISIBILITY IN STATUTE MILES																	
	IN 1	GE 10	GE 6	GF 5	GE 4	GE 3	CE 2	CE 1 1/2	GE 2	GF 1	GE 1 1/2	GF 1 1/4	GE 1	GF 3/4	GF 5/8	GF 1/2	GE 5/16	GF 1/4
NO CEIL	47.4	48.9	48.9	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 20000	57.7	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	57.8	59.5	59.5	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 16000	58.1	59.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 14000	58.6	60.2	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 12000	60.2	61.8	61.8	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 10000	64.5	66.1	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 9000	66.3	68.0	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 8000	68.2	69.9	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 7000	70.2	71.9	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 6000	73.3	75.1	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 5000	77.4	79.2	79.5	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 4500	80.3	82.2	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 4000	81.7	83.8	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3500	83.8	85.8	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3000	86.0	88.5	88.7	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2500	87.7	90.2	90.4	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2000	89.8	92.3	92.7	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1800	90.5	93.0	93.4	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500	91.5	94.0	94.4	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1200	92.4	94.9	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	92.7	95.8	96.5	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	92.9	96.2	97.0	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	93.1	96.7	97.5	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	93.3	97.1	98.0	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	93.7	97.1	98.0	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	93.5	97.3	98.2	98.2	98.6	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	93.5	97.3	98.2	98.2	98.6	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	93.5	97.3	98.2	98.2	98.6	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 00	93.5	97.3	98.2	98.2	98.6	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 1800-2000

CEILING	VISIBILITY IN STATUTE MILES																
	IN	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	52.8	53.7	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 2000	63.5	64.5	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 1800	63.9	64.8	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 1600	64.1	65.0	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 1400	64.7	65.7	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 1200	66.0	67.0	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 1000	69.9	71.0	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 900	71.3	72.4	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 800	73.9	75.2	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 700	76.4	77.8	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 600	79.3	80.9	81.3	81.4	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 500	83.4	85.1	85.5	85.8	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 400	85.2	87.1	87.5	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 300	85.5	87.4	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 300	86.5	88.3	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 300	87.9	89.9	90.3	90.6	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 250	89.5	91.6	92.0	92.3	92.6	92.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 200	90.4	92.4	93.0	93.3	93.6	93.6	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800	90.6	92.9	93.4	93.7	94.1	94.1	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1500	91.0	93.9	94.4	94.7	95.0	95.1	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1200	91.4	94.3	94.8	95.1	95.5	95.7	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1100	91.5	95.3	96.0	96.3	96.7	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	91.7	95.6	96.5	96.9	97.2	97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	91.8	96.0	97.0	97.3	97.6	97.6	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	91.8	96.3	97.3	97.7	98.1	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	91.8	96.5	97.5	98.0	98.4	98.7	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	91.9	96.7	97.6	98.2	98.6	98.9	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	92.0	96.8	97.7	98.3	98.7	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	92.0	96.8	97.7	98.3	98.7	99.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	92.0	96.8	97.7	98.3	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.0	96.8	97.7	98.3	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	92.0	96.8	97.7	98.3	98.7	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): 2100-2100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	CE	GE	GE	CE	GE	GE	GE	GE	GE								
1	10	6	5	4	3	2	1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
NO CEIL	59.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
CE 20000	66.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 18000	66.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
CE 16000	66.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 14000	67.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
CE 12000	67.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
CE 10000	70.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 9000	71.1	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
CE 8000	73.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 7000	76.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
CE 6000	78.4	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
CE 5000	81.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 4000	82.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
CE 3000	83.6	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3000	84.9	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
CE 3000	86.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
CE 2500	87.6	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2000	88.9	93.7	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
CE 1800	89.0	94.1	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
CE 1500	89.2	94.7	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1200	89.4	95.0	95.6	95.7	95.9	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
CE 1000	89.9	96.1	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 900	90.4	96.9	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
CE 900	90.4	97.1	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
CE 700	92.4	97.3	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	97.6	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
CE 500	98.5	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
CE 400	97.8	98.6	98.6	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
CE 300	98.5	99.1	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
CE 200	98.1	99.0	99.4	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 100	98.6	98.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	98.6	98.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
CE 0	98.6	98.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 927

AD-A188 320

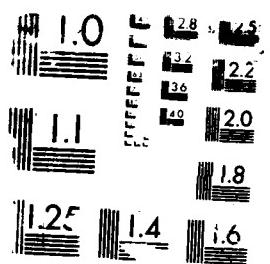
HECTOR FIELD FARGO NORTH DAKOTA REVISED UNIFORM SUMMARY 3/4  
OF SURFACE WEATHER (UT) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. DEC 87

UNCLASSIFIED

USAFTEAC/DS-87/001

F/G 4/2

NL



Resolution Test Chart

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAY HOURS(LST): ALL

TOTAL NUMBER OF OBSERVATIONS: 7434

GLOBAL CLIMATOLOGY BRANCH  
USAFCETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	GE 2	GE 1	1/2	1/4	GE 1	3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	57.1	58.7	59.3	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9
GE 20000	64.4	66.1	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.4	67.4	67.4	67.4
GE 18000	64.7	66.3	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7
GE 16000	64.7	66.3	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7
GE 14000	64.9	66.6	67.3	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.9	67.9	67.9	67.9
GE 12000	66.7	68.3	69.1	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.7	69.7	69.7	69.7
GE 10000	70.6	72.4	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.8	73.8	73.8	73.8
GE 9000	72.3	74.3	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.7	75.7	75.7	75.7
GE 8000	75.8	77.9	78.7	78.8	78.8	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.2
GE 7000	78.6	80.9	81.7	81.8	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2
GE 6000	79.7	82.0	82.8	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.3	83.3	83.3	83.3
GE 5000	82.8	85.4	86.2	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.9	86.9	86.9	86.9
GE 4500	63.7	86.6	87.3	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0
GE 4000	68.8	87.8	88.6	88.8	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2
GE 3500	86.0	89.0	89.9	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.6	90.6	90.6	90.6
GE 3000	87.4	91.0	91.9	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.6	92.6	92.6	92.6
GE 2500	89.3	93.0	93.9	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6
GE 2000	89.9	93.8	94.7	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3
GE 1600	90.0	94.0	94.9	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.6	95.6	95.6	95.6
GE 1500	90.3	94.9	95.9	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.6	96.6	96.6	96.6
GE 1200	91.0	95.9	96.9	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6
GE 1000	91.3	96.8	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4
GE 900	91.3	96.9	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.6	98.6	98.6	98.6
GE 900	91.3	96.9	97.9	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7
GE 700	91.3	96.9	97.9	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7
GE 600	91.3	97.0	98.1	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9
GE 500	91.3	97.2	98.4	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 400	91.3	97.4	98.7	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6
GE 300	91.3	97.4	98.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7
GE 200	91.3	97.4	98.8	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9
GE 100	91.3	97.4	98.8	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9
GE 70	91.3	97.4	98.8	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: JUN HOURS(LST): 0300-0500

CEILING	VISIBILITY IN STATUTE MILES																	
	IN FEET	10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	52.4	53.7	53.9	54.7	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.7	55.8	
GE 20000	60.1	61.4	61.8	62.6	62.8	62.8	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.7	63.8		
GE 18000	60.3	61.7	62.0	62.8	63.0	63.0	63.3	63.4	63.4	63.6	63.6	63.6	63.7	63.7	64.0	64.1		
GE 16000	60.3	61.7	62.0	62.8	63.0	63.0	63.3	63.4	63.4	63.6	63.6	63.6	63.7	63.7	64.0	64.1		
GE 14000	60.7	62.0	62.3	63.1	63.3	63.3	63.7	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.3	64.4		
GE 12000	62.2	63.6	63.9	64.7	64.9	64.9	65.2	65.3	65.3	65.4	65.4	65.4	65.6	65.6	65.9	66.0		
GE 10000	66.8	68.4	68.8	69.6	69.8	69.8	70.1	70.2	70.2	70.3	70.3	70.3	70.4	70.4	70.8	70.9		
GE 9000	69.7	71.4	71.8	72.6	72.8	72.8	73.1	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.8	73.9		
GE 8000	71.6	73.4	73.8	74.6	74.8	74.8	75.1	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.8	75.9		
GE 7000	74.8	77.0	77.3	78.1	78.3	78.3	78.7	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.3	79.4		
GE 6000	75.7	78.0	78.3	79.1	79.3	79.3	79.7	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.3	P0.4		
GE 5000	78.6	81.3	81.8	82.6	82.8	82.8	83.1	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.8	83.9		
GE 4500	79.6	82.4	82.9	83.7	83.9	83.9	84.2	84.3	84.3	84.4	84.4	84.4	84.6	84.6	84.9	85.0		
GE 4000	80.6	83.6	84.1	84.9	85.1	85.1	85.4	85.6	85.6	85.7	85.7	85.7	85.8	85.8	86.1	86.2		
GE 3500	82.8	P5.8	86.3	87.1	87.3	87.3	87.7	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.3	P6.4		
GE 3000	84.4	88.0	88.7	89.6	89.8	89.8	90.1	90.2	90.2	90.3	90.3	90.3	90.4	90.4	90.8	90.9		
GE 2500	85.6	89.2	89.9	90.9	91.1	91.1	91.4	91.6	91.6	91.7	91.7	91.7	91.8	91.8	92.1	92.2		
GE 2000	86.1	90.3	91.2	92.2	92.4	92.4	92.8	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.4	93.6		
GE 1800	86.3	90.6	91.6	92.6	92.8	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.8	93.9		
GE 1500	86.8	91.2	92.2	93.2	93.6	93.6	93.9	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.6	94.7		
GE 1200	87.9	92.4	93.6	94.6	94.9	94.9	95.2	95.4	95.4	95.6	95.6	95.6	95.7	95.7	96.0	96.1		
GE 1000	88.2	93.4	94.7	95.8	96.1	96.1	96.4	96.7	96.7	96.8	96.8	96.8	96.9	96.9	97.2	97.3		
GE 900	88.4	96.0	95.2	96.3	96.7	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.8	98.0		
GE 800	88.4	94.2	95.4	96.6	96.9	96.9	97.2	97.4	97.4	97.6	97.6	97.6	97.7	97.7	98.0	98.2		
GE 700	88.4	94.6	95.8	96.9	97.2	97.2	97.6	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.3	98.6		
GE 600	88.4	94.7	95.9	97.0	97.3	97.3	97.7	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.4	98.7		
GE 500	88.4	94.8	96.0	97.1	97.4	97.4	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.6	98.8		
GE 400	88.4	94.8	96.0	97.1	97.4	97.4	97.6	97.9	98.1	98.1	98.2	98.2	98.3	98.3	98.7	98.9		
GE 300	88.4	94.8	96.0	97.1	97.4	97.6	97.9	98.1	98.1	98.2	98.2	98.3	98.3	98.7	99.1			
GE 200	88.4	94.8	96.0	97.1	97.6	97.7	98.0	98.2	98.2	98.3	98.3	98.4	98.4	98.8	99.2			
GE 100	88.4	94.8	96.0	97.1	97.6	97.7	98.0	98.2	98.2	98.3	98.3	98.4	98.4	98.8	99.2	99.8		
GE 0	88.4	74.8	96.0	97.1	97.6	97.7	98.0	98.2	98.2	98.3	98.6	98.6	98.9	98.9	99.3	100.0		

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: MECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	52.4	53.3	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	
GE 20000	59.9	60.8	61.2	61.2	61.2	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	
GE 18000	60.1	61.0	61.4	61.4	61.4	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	
GE 16000	60.1	61.0	61.4	61.4	61.4	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	
GE 14000	61.0	61.9	62.3	62.3	62.3	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	
GE 12000	62.0	63.9	64.3	64.3	64.3	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	
GE 10000	68.0	69.7	70.1	70.1	70.1	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	
GE 8000	70.1	72.0	72.4	72.4	72.4	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	
GE 6000	73.3	75.4	75.9	76.0	76.0	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	
GE 4000	76.1	78.6	79.0	79.1	79.1	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	
GE 2000	77.1	79.6	80.0	80.1	80.1	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	
GE 5000	78.9	81.7	82.3	82.6	82.6	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	
GE 4500	79.8	82.7	83.3	83.6	83.6	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	
GE 4000	80.7	83.7	84.3	84.6	84.6	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	
GE 3500	81.7	84.9	85.7	85.9	86.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	
GE 3000	82.7	85.9	86.7	86.9	87.1	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0	
GE 2500	84.3	87.6	88.4	88.7	88.9	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.8	
GE 2000	85.0	89.1	90.0	90.2	90.4	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4	
GE 1800	85.3	89.6	90.4	90.7	90.9	91.3	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.0	92.0	
GE 1500	86.6	90.9	91.9	92.1	92.3	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.4	93.4	
GE 1200	87.7	92.1	93.1	93.3	93.6	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.7	94.7	
GE 1000	87.9	92.7	93.7	93.9	94.1	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.2	
GE 900	88.7	93.6	94.6	94.8	95.0	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.2	96.2	
GE 800	89.0	94.2	95.2	95.4	95.7	96.1	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1	
GE 700	89.0	94.3	95.3	95.7	96.1	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.6	97.6	
GE 600	89.2	95.2	96.3	96.7	97.1	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.6	98.6	98.6	
GE 500	89.2	95.3	96.4	96.8	97.2	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	
GE 400	89.2	95.3	96.6	97.0	97.4	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.0	
GE 300	89.2	95.6	96.8	97.2	97.7	98.2	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.3	99.3	
GE 200	89.2	95.6	96.6	97.2	97.7	98.2	99.0	99.1	99.1	99.2	99.3	99.3	99.3	99.4	99.7	99.7	99.8	
GE 100	89.2	95.6	96.9	97.2	97.7	98.2	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.4	99.7	99.7	99.9	
GE 0	89.2	95.6	96.8	97.2	97.7	98.2	98.9	99.1	99.1	99.2	99.3	99.3	99.4	99.6	99.8	100.0		

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	NO	CEIL	VISIBILITY IN STATUTE MILES																	
			GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	2	1	1/2	1	1/4	1	3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4
GE 20000	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 12000	64.8	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 10000	68.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 9000	70.4	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 8000	72.8	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 7500	74.6	77.2	77.2	77.2	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	75.4	78.3	78.4	78.4	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 5000	76.7	79.9	80.1	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4500	77.2	80.6	80.8	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4000	78.2	81.6	81.9	81.9	82.0	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3500	79.2	82.9	83.3	83.3	83.4	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 3000	80.8	84.6	85.1	85.1	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2500	82.6	96.4	87.0	87.0	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2000	84.4	88.7	89.2	89.2	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1800	85.8	90.2	90.8	90.8	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1500	88.0	93.0	93.6	93.6	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	90.0	95.1	95.7	95.8	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	90.8	95.9	96.4	96.6	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	91.3	96.6	97.1	97.4	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	91.6	96.9	97.4	97.8	98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	91.8	97.3	97.9	98.2	98.6	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	91.8	97.8	98.3	98.7	99.0	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	91.8	97.9	98.4	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.8	97.9	98.4	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.8	97.9	98.4	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.8	97.9	98.4	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.8	97.9	98.4	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE C1	91.8	97.9	98.4	98.9	99.2	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE J	
NO CEIL	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 20000	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 16000	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 14000	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 12000	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 10000	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 9000	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 8000	66.4	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 7000	68.1	68.8	68.8	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000	69.6	70.7	70.7	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 5000	73.9	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4500	76.4	77.9	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4000	79.0	80.7	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 3500	82.1	84.3	84.4	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9
GE 3000	84.7	87.1	87.3	87.6	87.6	87.6	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2500	87.0	90.0	90.2	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
GE 2000	89.8	92.9	93.4	93.7	93.7	93.7	93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	91.1	94.2	94.8	95.0	95.0	95.0	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1500	92.1	95.2	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	93.0	96.3	96.9	97.1	97.1	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	93.6	97.2	97.8	98.2	98.2	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	93.8	97.8	98.4	98.9	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	93.9	97.9	98.6	99.0	99.1	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	94.0	98.0	98.7	99.1	99.2	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	94.0	98.0	98.7	99.1	99.2	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.0	98.0	98.7	99.1	99.2	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.0	98.0	98.7	99.1	99.2	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.0	98.0	98.7	99.1	99.2	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.0	98.0	98.7	99.1	99.2	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.0	98.0	98.7	99.1	99.2	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	94.0	98.0	98.7	99.1	99.2	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: JUN HOURS(LST): 1500-1700

TOTAL NUMBER OF OBSERVATIONS: 300

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	10 GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 6			
NO CEIL	59.4	59.4	59.8	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 20000	66.2	68.3	68.7	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 18000	66.7	68.8	69.1	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 16000	68.8	68.9	69.2	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 14000	70.4	70.6	70.9	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 12000	72.1	72.3	72.7	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	77.1	77.7	78.0	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 9000	79.1	79.8	80.1	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 8000	81.1	81.8	82.1	82.2	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 7000	84.1	85.2	85.6	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 6000	86.0	87.4	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 5000	87.9	89.4	89.8	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4500	89.3	90.9	91.2	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 4000	90.7	92.3	92.7	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3500	91.9	93.9	94.2	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3000	92.6	94.6	94.9	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	93.2	95.2	95.6	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	93.7	95.9	96.2	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1900	93.8	96.1	96.4	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1500	94.2	96.7	97.0	97.3	97.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	94.9	97.3	97.8	98.1	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	95.1	97.6	98.0	98.3	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	95.2	97.7	98.1	98.4	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	95.4	98.0	98.4	98.6	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	95.4	98.0	98.4	98.8	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	95.4	98.0	98.8	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.4	98.0	98.8	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.4	98.0	98.8	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.4	98.0	98.8	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.4	98.0	98.8	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.4	98.0	98.8	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	95.4	98.0	98.8	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: JUN

FOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10 GE	6 GE	5 GE	4 GE	3 GE	2 GE	1 1/2 GE	1 1/4 GE	1 GE	3/4 GE	5/8 GE	1/2 GE	5/16 GE	1/4 GE	0 GE	
NO CEIL	62.1	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 20000	69.0	69.6	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 18000	69.8	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 16000	69.8	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 14000	70.6	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 12000	71.7	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 10000	76.6	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 9000	76.9	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 8000	81.1	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	84.2	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 6000	85.7	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 5000	88.4	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 4500	89.1	90.6	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4000	90.1	91.6	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3500	91.6	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3000	91.3	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2500	92.1	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	93.0	95.3	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	93.6	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1500	94.6	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	95.0	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	95.1	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	95.2	97.9	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	95.2	97.9	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	95.3	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	95.4	98.3	99.0	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	95.4	98.6	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	95.4	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	95.4	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	95.4	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	95.4	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	95.4	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE J
NO CEIL	54.2	54.8	55.1	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5
GE 20000	62.2	62.9	63.2	63.3	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7
GE 18000	62.5	63.2	63.5	63.6	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0
GE 16000	62.6	63.3	63.6	63.7	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
GE 14000	63.4	64.2	64.4	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0
GE 12000	65.2	65.9	66.2	66.3	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.8
GE 10000	69.7	70.8	71.0	71.2	71.2	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6
GE 9000	72.0	73.2	73.5	73.6	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0
GE 8000	74.4	75.7	76.0	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5
GE 7000	76.9	78.5	78.8	79.0	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4
GE 6000	78.3	80.2	80.5	80.7	80.7	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1
GE 5000	81.0	83.1	83.5	83.7	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1
GE 4500	82.2	84.5	84.8	85.0	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
GE 4000	83.6	85.9	86.3	86.5	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0
GE 3500	85.2	87.8	88.3	88.5	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9
GE 3000	86.7	89.6	90.1	90.3	90.4	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8
GE 2500	88.1	91.2	91.7	92.0	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5
GE 2000	89.3	92.7	93.4	93.6	93.8	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2
GE 1800	89.8	93.3	94.0	94.3	94.4	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 1500	90.7	94.4	95.1	95.4	95.5	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
GE 1200	91.6	95.5	96.2	96.5	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
GE 1000	92.0	96.1	96.8	97.2	97.4	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9
GE 900	92.2	96.5	97.2	97.6	97.8	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 800	92.3	96.7	97.4	97.8	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
GE 700	92.4	96.9	97.6	98.0	98.3	98.4	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 600	92.4	97.1	97.9	98.4	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 500	97.4	97.2	98.1	98.5	98.8	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
GE 400	92.4	97.3	98.1	98.6	98.8	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 300	92.4	97.3	98.2	98.6	98.9	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	92.4	97.3	98.3	98.6	98.9	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	92.4	97.3	98.6	98.6	98.9	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 01	92.4	97.3	98.6	98.6	98.9	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE -1	92.4	97.3	98.6	98.6	98.9	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
TOTAL NUMBER OF OBSERVATIONS:	97.3	98.2	98.6	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1 IC	GE 6	GE 5	GE 4	GE 3	GE 2	1 1/2	GE 2	1 1/2	1 1/4	GE 1	GL 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	66.7	67.5	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2
GE 20000	73.3	74.2	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8
GE 18000	73.4	74.3	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
GE 16000	73.4	74.3	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
GE 14000	75.4	76.2	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9
GE 12000	77.2	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7
GE 10000	83.0	84.0	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6
GE 9000	84.4	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0
GE 8000	86.3	87.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1
GE 7000	88.1	89.4	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1
GE 6700	89.0	90.4	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2
GE 5000	89.8	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3
GE 4500	90.0	92.2	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0
GE 4000	90.6	93.1	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1
GE 3500	90.9	93.4	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
GE 3000	91.5	94.4	94.9	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5
GE 2500	91.9	95.2	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 2000	92.6	95.8	96.5	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0
GE 1800	92.6	96.0	96.7	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
GE 1500	92.8	96.2	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.5	97.5
GE 1200	93.3	96.8	97.4	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2	98.2
GE 1000	93.4	97.0	97.7	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5
GE 900	93.8	97.4	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.9	98.9
GE 800	97.9	97.7	98.5	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.2
GE 700	93.9	97.8	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.4	99.4
GE 600	94.0	98.1	98.8	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.6	99.6
GE 500	94.0	98.2	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7
GE 400	94.0	98.4	99.1	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 300	94.0	98.4	99.1	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 200	94.0	98.4	99.1	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 100	94.0	98.4	99.1	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0
GE 01	94.0	98.4	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	61.1	63.2	63.5	63.8	63.8	63.8	63.9	63.9	63.9	63.9	67.9	63.9	63.9	63.9	63.9	63.9	63.9	
GE 20000	68.0	70.2	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	
GE 18000	68.6	70.9	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
GE 16000	69.6	70.9	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
GE 14000	69.9	72.2	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	
GE 12000	71.8	74.3	74.8	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	
GE 10000	78.8	81.6	82.2	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	
GE 9000	80.4	83.3	83.9	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	
GE 8000	82.3	85.5	86.2	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	
GE 7000	84.2	87.4	88.2	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	
GE 6000	85.3	88.6	89.5	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
GE 5000	86.8	90.2	91.3	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
GE 4500	87.1	91.0	92.0	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	
GE 4000	87.7	91.7	92.9	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	
GE 3500	87.8	91.8	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	
GE 3000	88.5	92.5	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	
GE 2500	89.1	93.1	94.6	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	
GE 2000	89.4	93.8	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
GE 1800	89.4	93.9	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 1500	89.9	94.4	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GE 1200	90.3	94.8	96.3	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
GE 1000	90.3	94.9	96.5	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 900	90.4	95.1	96.7	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 800	90.4	95.3	96.9	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE 700	90.4	95.4	97.0	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE 600	97.4	95.5	97.3	97.5	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 500	90.4	95.6	97.4	97.7	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 400	90.4	95.8	97.7	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
GE 300	90.5	96.0	98.0	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
GE 200	91.5	96.2	98.2	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 100	90.5	96.2	98.2	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 0	90.5	96.2	98.2	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0600-0830

NO	CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
		1	GE	GL	GE	GE	GE	GE	GE										
10	56.0	57.8	58.0	58.1	58.2	58.4	58.4	58.4	58.4	58.4	59.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
UE	200001	63.5	66.2	66.3	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
UF	180001	64.3	67.0	67.1	67.2	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
UE	160001	64.4	67.1	67.2	67.3	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
UE	140001	65.5	68.4	68.5	68.6	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
UE	120001	67.4	70.5	70.6	70.6	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
UE	100001	73.3	77.1	77.4	77.5	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
UE	90001	75.1	79.5	79.8	79.9	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
UE	80001	77.3	81.9	82.3	82.4	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
UE	70001	78.6	83.4	83.6	83.9	84.1	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
UE	60001	79.6	84.4	84.8	84.9	85.2	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
UE	50001	81.2	86.3	86.8	86.9	87.1	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
UE	45001	82.4	87.5	88.0	88.1	88.3	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
UE	40001	83.0	88.3	88.8	88.9	89.1	89.4	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
UE	35001	83.4	86.7	89.2	89.4	89.6	89.8	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
UE	30001	84.2	89.7	90.2	90.3	90.5	90.6	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
UE	25001	84.6	90.4	91.0	91.1	91.3	91.5	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
UF	210001	85.3	91.3	91.8	91.9	92.3	92.5	92.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
UE	180001	85.5	91.5	92.0	92.2	92.5	92.7	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
UE	150001	86.0	92.2	92.7	92.8	93.1	93.3	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
UE	120001	86.6	93.2	93.8	93.9	94.2	94.4	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
UE	100001	86.7	92.3	93.9	94.0	94.3	94.5	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
UE	90001	87.1	93.9	94.4	94.5	94.8	95.1	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
UE	80001	87.1	94.3	94.8	94.9	95.4	95.6	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
UE	70001	87.1	94.4	94.9	95.1	95.5	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
UE	60001	87.2	94.7	95.3	95.4	95.8	96.1	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
UE	50001	87.3	95.1	95.6	95.8	96.5	96.9	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
UE	40001	87.7	95.3	95.9	96.1	96.9	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
UF	30001	87.3	95.7	96.3	96.6	97.4	97.8	98.3	98.3	98.5	98.5	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
UE	20001	87.3	95.8	96.5	96.7	97.5	98.0	98.5	98.5	98.8	98.8	99.2	99.2	99.4	99.4	99.5	99.5	99.6	99.6
UE	10001	87.3	95.8	96.5	96.7	97.5	98.0	98.5	98.5	98.8	98.8	99.2	99.2	99.4	99.4	99.5	99.5	99.8	100.0
UF	01	87.3	95.8	96.5	96.7	97.5	98.0	98.5	98.5	98.8	98.8	99.2	99.2	99.4	99.4	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 93L

GLOBAL CLIMATOLOGY, BRANCH  
ESAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																							
	GE 10 6	GE 5 4	GE 3 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3	GE 10 6	GE 5 4	GE 3 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	58.0	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 20000	68.5	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 18000	67.9	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 16000	68.9	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 14000	75.3	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 12000	72.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 10000	77.2	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 9000	70.7	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 8000	82.2	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 7000	83.2	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 6000	83.5	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 5000	84.2	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 4500	85.2	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4000	86.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	86.8	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 3000	87.3	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2500	87.7	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	88.4	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1800	89.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1500	92.5	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	91.4	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	91.7	96.3	96.7	96.6	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	91.0	96.8	97.1	97.3	97.7	97.7	97.7	97.7	97.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 800	91.9	96.8	97.1	97.3	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	91.9	96.9	97.2	97.6	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	91.9	97.3	97.6	98.4	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	91.9	97.5	97.8	98.6	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	91.9	97.6	98.0	98.7	99.2	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	91.9	97.7	98.1	98.8	99.4	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	91.9	97.7	98.1	98.6	99.4	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	91.9	97.7	98.1	98.6	99.4	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	91.9	97.7	98.1	98.8	99.4	99.5	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: JUL HOURS(LST): 1200-1400

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: JUL HOURS(LST): 1500-1700

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSLS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	CL 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4
NO CEIL	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 20000	87.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 18000	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 16000	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 14000	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 12000	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 10000	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 9000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 8000	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 6000	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 5000	94.3	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 4500	95.1	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4000	95.4	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	95.7	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3000	96.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	97.7	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	97.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	97.7	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	98.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	98.1	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 400

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: JUL FOURTH ST: 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	Gt 1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1 1/4	GE 0
NO CEIL	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 20000	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 18000	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 16000	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 14000	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 12000	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 10000	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 9000	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 8000	89.2	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 7000	90.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 6000	91.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 5000	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 4000	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3000	94.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 2000	96.1	97.5	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1700	96.6	98.1	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	96.6	98.1	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	97.3	98.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	97.3	98.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	97.3	98.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	97.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	97.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	97.6	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.6	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.6	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	97.6	99.5	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10 GE	6 GE	5 GE	4 GE	3 GE	2 GE	1 1/2 GE	1 1/4 GE	1 GE	3/4 GE	5/8 GE	1/2 GE	5/16 GE	1/4 GE	GE	
NO CEIL	63.6	64.4	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 20000	72.5	73.5	73.6	73.7	73.7	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 18000	72.9	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 16000	73.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 14000	74.2	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 12000	76.1	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 10000	81.3	82.7	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 9000	83.2	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 8000	85.0	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 7000	86.3	88.0	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 6000	87.2	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 5000	88.3	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	89.2	91.4	91.7	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3000	90.0	92.3	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
GE 3500	90.5	92.9	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 3000	91.5	94.0	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	92.2	94.8	95.2	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	92.8	95.6	96.0	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1600	97.1	96.6	96.4	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	93.5	96.4	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	93.9	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1300	94.0	97.3	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	94.2	97.5	98.0	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	94.2	97.7	98.1	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	94.2	97.8	98.2	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	94.2	97.9	98.4	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	94.3	98.0	98.5	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	94.3	98.1	98.6	98.9	99.2	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	94.7	98.2	98.7	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	94.3	98.2	98.8	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	94.3	98.2	98.4	99.1	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
UF	71	94.3	98.2	98.6	99.1	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0000-0200

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	IN	GE 1	GE 12	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	1	64.8	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0
GE 20000	69.8	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2
GE 18.000	69.9	71.8	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
GE 16000	69.9	71.8	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
GE 14000	70.9	72.8	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3
GE 12000	72.2	74.2	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8
GE 10000	75.2	77.4	77.7	78.1	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
GE 9000	77.7	80.0	80.3	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1
GE 8000	79.7	81.9	82.3	82.6	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0
GE 7000	81.4	83.7	84.0	84.3	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
GE 6000	82.4	84.6	85.1	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9
GE 5000	85.1	87.3	87.6	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7
GE 4000	85.6	87.8	88.5	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4
GE 4000	86.6	88.8	89.6	90.1	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5
GE 3500	87.2	89.6	90.3	90.9	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3
GE 3000	88.5	91.3	92.0	92.6	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
GE 2500	86.2	92.4	93.3	93.9	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4
GE 2000	90.3	93.8	94.7	95.4	95.6	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1
GE 1800	90.6	94.1	95.1	95.7	96.0	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6
GE 1500	91.0	94.6	95.6	96.2	96.6	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1
GE 1200	91.2	94.9	95.9	96.6	96.9	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
GE 1000	91.6	95.7	96.7	97.3	97.6	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4
GE 900	91.9	95.8	96.8	97.4	97.7	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5
GE 800	92.0	96.2	97.2	97.8	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 700	92.0	96.2	97.2	97.8	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 600	92.0	96.3	97.4	98.1	98.4	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 500	92.0	96.3	97.4	98.1	98.4	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 400	92.0	96.3	97.5	98.2	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4
GE 300	92.0	96.5	97.6	98.5	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7
GE 200	92.0	96.5	97.6	98.5	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7
GE 100	92.0	96.5	97.8	98.5	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8	99.8
GE 0	92.0	96.5	97.8	98.5	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GF 5	GE 4	GF 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0		
NO CEIL	55.7	59.0	59.6	60.0	60.2	60.2	67.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.5	69.6	
GE 20000	60.2	64.1	64.7	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.9	66.1	
GE 18000	60.6	64.5	65.3	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.3	66.3	66.7	
GE 16000	60.6	64.5	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.3	66.3	66.7	
GE 14000	61.4	65.3	66.0	66.7	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.1	67.2	67.2	67.3	67.5	
GE 12000	62.0	66.7	67.5	68.2	68.4	68.4	68.4	68.4	68.4	68.5	68.7	68.7	68.7	68.8	68.8	68.9	69.1	
GE 10000	67.3	71.4	72.4	73.0	73.2	73.2	73.2	73.2	73.2	73.5	73.8	73.8	73.8	73.9	73.9	74.0	74.2	
GE 9000	69.2	73.4	74.4	75.1	75.3	75.3	75.3	75.3	75.3	75.6	75.6	75.6	75.6	75.9	75.9	76.0	76.2	
GE 8000	71.6	75.8	76.8	77.4	77.6	77.6	77.6	77.6	77.6	78.0	78.2	78.2	78.2	78.3	78.3	78.4	78.6	
GE 7000	74.3	78.6	79.6	80.2	80.4	80.4	80.5	80.5	80.5	80.9	81.2	81.2	81.2	81.3	81.3	81.4	81.6	
GE 6000	76.1	80.4	81.4	82.0	82.3	82.3	82.4	82.4	82.4	82.7	83.0	83.0	83.0	83.1	83.1	83.2	83.4	
GE 5000	78.4	82.9	84.0	84.6	84.8	84.8	84.9	84.9	84.9	85.3	85.6	85.6	85.6	85.7	85.7	85.8	86.0	
GE 4500	79.4	84.3	85.4	86.3	86.3	86.3	86.5	86.5	86.5	86.8	87.1	87.1	87.1	87.2	87.2	87.3	87.5	
GE 4000	79.9	84.8	85.9	86.6	86.9	86.9	87.0	87.0	87.0	87.3	87.6	87.6	87.6	87.7	87.7	87.8	88.1	
GE 3500	80.5	85.7	86.8	87.4	87.7	87.7	87.8	87.8	87.8	88.2	88.5	88.5	88.5	88.6	88.6	88.7	88.9	
GE 3000	81.8	87.1	88.2	88.5	89.5	89.5	89.6	89.6	89.6	89.9	90.2	90.2	90.2	90.3	90.3	90.4	90.6	
GE 2500	82.3	87.6	88.7	89.5	90.0	90.0	90.1	90.1	90.1	90.4	90.8	90.8	90.8	90.9	90.9	91.0	91.2	
GE 2000	82.9	88.4	89.5	90.3	90.9	90.9	91.0	91.0	91.0	91.3	91.7	91.7	91.7	91.8	91.8	91.9	92.2	
GE 1800	83.1	88.6	89.7	90.5	91.1	91.1	91.2	91.2	91.2	91.5	91.9	91.9	91.9	92.0	92.0	92.2	92.4	
GE 1500	83.4	89.0	90.1	91.0	91.5	91.6	91.7	91.7	91.7	92.0	92.5	92.5	92.5	92.6	92.6	92.7	92.9	
GE 1000	84.4	90.0	91.1	91.9	92.6	92.7	92.8	92.8	92.8	93.1	93.5	93.5	93.5	93.7	93.7	93.8	94.0	
GE 1000	84.6	90.6	91.6	92.7	93.3	93.4	93.5	93.5	93.5	93.9	94.3	94.3	94.3	94.4	94.4	94.5	94.7	
GE 900	84.8	91.0	92.2	93.0	93.7	93.8	93.9	93.9	93.9	94.2	94.6	94.6	94.6	94.7	94.7	94.8	95.1	
GE 800	85.6	92.0	93.3	94.2	94.8	94.9	95.1	95.1	95.1	95.4	95.8	95.8	95.8	95.9	95.9	96.0	96.2	
GE 700	85.7	92.3	93.5	94.4	95.2	95.3	95.4	95.4	95.4	95.7	96.1	96.1	96.1	96.2	96.2	96.3	96.6	
GE 600	86.2	92.9	94.2	95.4	96.1	96.2	96.5	96.5	96.5	96.8	97.2	97.2	97.2	97.3	97.3	97.4	97.6	
GE 500	86.3	93.1	94.5	95.7	96.6	96.7	96.9	96.9	96.9	97.2	97.6	97.6	97.6	97.7	97.7	98.0	98.2	
GE 400	86.6	93.4	94.8	96.0	96.9	97.0	97.2	97.2	97.2	97.5	98.0	98.0	98.0	98.1	98.1	98.3	98.5	
GE 300	86.6	93.5	95.1	96.3	97.3	97.4	97.7	97.7	97.8	98.3	98.7	98.7	98.7	98.8	98.8	99.0	99.2	
GE 200	86.6	93.5	95.1	96.5	97.4	97.5	97.8	97.8	97.8	98.2	98.6	98.6	98.6	99.0	99.1	99.4	99.7	
GE 100	86.6	93.5	95.1	96.9	97.4	97.5	97.8	97.8	97.8	98.2	98.6	98.6	98.6	99.1	99.1	99.4	99.9	
GE 0	86.6	93.5	95.1	96.5	97.4	97.5	97.8	97.8	97.8	98.2	98.6	98.6	98.6	99.1	99.1	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUC HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.4	54.2	54.7	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.7	55.7	55.9	55.9	56.0	56.6
GE 20000	54.2	59.7	60.2	60.6	60.9	60.9	60.9	60.9	60.9	60.9	61.2	61.2	61.4	61.4	61.5	62.0
GE 18000	54.3	59.8	60.3	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.5	61.5	61.6	62.2
GE 16000	54.3	59.8	60.3	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.5	61.5	61.6	62.2
GE 14500	55.2	60.9	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.4	62.4	62.6	62.6	62.7	63.2
GE 12700	56.3	62.4	62.9	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.9	64.1	64.3	64.3	64.4	64.9
GE 10000	62.5	69.5	70.0	70.5	70.8	70.8	70.8	70.8	70.8	70.8	71.2	71.4	71.6	71.6	71.7	72.3
GE 9500	63.0	71.0	71.5	72.2	72.4	72.4	72.4	72.4	72.4	72.4	73.2	73.4	73.5	73.5	74.1	
GE 8500	66.6	73.8	74.3	74.9	75.2	75.2	75.3	75.3	75.4	75.4	75.8	76.0	76.2	76.2	76.3	76.9
GE 7500	69.6	76.1	76.7	77.3	77.5	77.5	77.6	77.6	77.7	77.7	78.2	78.4	78.6	78.6	78.7	79.2
GE 6500	70.3	78.0	78.5	79.1	79.4	79.4	79.5	79.5	79.5	79.5	80.0	80.2	80.4	80.5	81.1	
GE 5500	72.3	80.2	80.8	81.4	81.6	81.6	81.7	81.7	81.7	81.8	81.8	82.3	82.5	82.7	82.8	83.3
GE 4500	73.3	81.4	81.9	82.6	82.8	82.8	82.9	82.9	83.0	83.0	83.4	83.7	83.9	83.9	84.0	84.5
GE 4000	73.7	81.7	82.3	82.9	83.1	83.1	83.2	83.2	83.3	83.3	83.8	84.0	84.2	84.3	84.3	84.8
GE 3500	74.5	82.6	83.2	83.9	84.1	84.1	84.2	84.2	84.3	84.3	84.7	84.9	85.2	85.2	85.3	85.8
GE 3000	76.1	84.4	85.2	85.9	86.1	86.1	86.2	86.2	86.3	86.3	86.8	87.0	87.2	87.2	87.3	87.8
GE 2500	76.7	85.1	85.8	86.6	86.8	86.8	86.9	86.9	87.0	87.0	87.4	87.6	87.8	87.8	88.0	88.5
GE 2100	77.2	85.8	86.6	87.3	87.6	87.7	87.8	87.8	87.9	88.1	88.5	88.7	88.9	88.9	89.0	89.6
GE 1800	77.3	85.9	86.7	87.4	87.7	87.8	88.0	88.0	88.2	88.2	88.6	88.8	89.0	89.0	89.1	89.7
GE 1500	77.7	86.3	87.1	88.0	88.3	88.4	88.6	88.6	88.8	88.8	89.2	89.5	89.7	89.7	89.8	90.3
GE 1200	78.5	87.2	88.2	88.9	89.5	89.6	89.8	89.8	90.1	90.1	90.5	90.8	91.0	91.0	91.1	91.6
GE 1100	79.0	97.5	88.5	89.4	90.0	90.1	90.4	90.5	90.8	90.9	91.2	91.4	91.6	91.6	91.7	92.3
GE 900	79.4	88.2	89.1	90.0	90.8	90.9	91.2	91.3	91.5	91.5	91.9	92.2	92.4	92.4	92.5	93.0
GE 800	79.8	88.6	89.7	90.5	91.3	91.4	91.7	91.8	92.0	92.0	92.5	92.7	92.9	92.9	93.0	93.5
GE 700	79.9	88.9	90.0	91.0	91.8	92.2	92.6	92.7	92.9	92.9	93.3	93.5	93.8	93.9	94.4	
GE 600	79.9	89.0	90.1	91.2	92.0	92.4	93.0	93.1	93.4	93.4	94.1	94.3	94.4	94.4	94.9	
GE 500	80.1	99.7	90.8	91.9	93.1	93.7	94.4	94.6	94.9	94.9	95.5	95.7	95.9	95.9	96.0	96.6
GE 400	80.1	89.8	91.0	92.4	93.9	94.5	95.4	95.6	95.9	96.0	96.6	96.8	97.0	97.0	97.1	97.6
GE 300	80.4	90.2	91.4	92.8	94.5	95.3	96.2	96.5	96.8	96.9	97.4	97.6	97.8	97.8	98.0	98.5
GE 200	80.4	93.2	91.4	92.8	94.6	95.4	96.3	96.6	96.9	97.0	97.5	97.7	98.0	98.2	98.3	99.1
GE 100	80.4	90.2	91.4	92.8	94.6	95.4	96.3	96.6	96.9	97.0	97.5	97.7	98.1	98.3	98.6	99.8
GE	71.5	90.2	91.4	92.8	94.6	95.4	96.3	96.6	96.9	97.0	97.5	97.7	98.1	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSLS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753Q STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-84

MONTH: AUG HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	5	6	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	57.4	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 23000	63.7	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 18000	64.0	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 16000	64.0	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 14000	64.9	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 12000	66.5	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 10000	72.3	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 9000	73.3	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 8000	74.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 7000	76.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 6000	77.0	81.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 5000	78.2	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 4500	78.8	82.9	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 4000	79.9	83.0	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 3500	80.2	84.5	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3000	82.0	86.3	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 2500	87.5	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2000	84.5	89.5	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1800	84.5	89.6	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1500	85.5	90.6	91.3	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1200	86.8	92.3	92.9	92.9	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1000	87.6	93.3	94.1	94.1	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900	88.0	93.9	94.7	94.7	94.9	95.2	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	88.2	94.4	95.3	95.3	95.5	95.6	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 700	88.4	94.9	95.6	95.8	96.1	96.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	88.4	95.2	96.1	96.2	96.6	97.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 500	88.4	95.6	96.9	97.0	97.4	97.8	98.0	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	88.4	95.6	97.0	97.1	97.5	98.1	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	88.4	95.6	97.0	97.2	97.6	98.2	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	88.4	95.6	97.0	97.2	97.6	98.2	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	88.4	95.6	97.0	97.2	97.6	98.2	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GF	88.4	95.6	97.0	97.2	97.6	98.2	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86

MONTH: AUG HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	GE	GE	GE	GE	GE	GE											
10	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
NO CEIL	1	53.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE	20000	61.6	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE	18000	61.8	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE	16000	61.9	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE	14000	62.7	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE	12000	64.1	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE	10700	69.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE	9500	71.4	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE	8700	73.0	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE	7000	74.2	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE	6200	76.0	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE	5400	77.8	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE	4600	80.4	83.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE	4000	81.5	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE	3500	83.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE	3200	85.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE	2100	87.8	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE	2000	89.1	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE	1800	89.7	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE	1600	90.5	95.5	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	1200	91.2	96.2	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE	1000	91.4	96.6	97.1	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	900	92.0	97.2	97.7	97.6	98.1	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	800	92.0	97.3	97.8	98.0	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	700	92.0	97.5	98.1	98.2	98.4	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE	600	92.0	97.6	98.3	98.5	98.7	98.7	98.8	99.1	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8
GE	500	92.0	97.6	98.3	98.5	98.7	98.7	98.8	99.4	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0
GE	400	92.0	97.6	98.3	98.5	98.7	98.7	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	92.0	97.6	98.3	98.5	98.7	98.7	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	92.0	97.6	98.3	98.5	98.7	98.7	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	92.0	97.6	98.3	98.5	98.7	98.7	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	92.0	97.6	98.3	98.5	98.7	98.7	98.8	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753G STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-84  
MONTH: AUG HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4	GE 3			
NO CEIL	55.7	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 20000	63.0	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 18000	63.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 16000	63.2	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 14000	64.2	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 12000	66.6	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 10000	72.5	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 9000	75.8	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 8000	78.3	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 7000	79.6	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 6000	81.2	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 5000	84.8	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 4500	86.7	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4000	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3500	89.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3000	90.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	92.5	94.6	94.9	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	93.9	96.3	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	94.3	97.0	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	94.8	97.7	98.4	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	95.2	98.1	98.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1100	95.3	98.2	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	96.5	98.4	98.8	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	95.5	98.4	98.8	98.9	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	95.5	98.4	98.9	98.9	99.0	99.2	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	95.6	98.4	98.9	99.0	99.2	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	95.5	98.4	98.9	99.0	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	95.5	98.4	98.9	99.0	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	95.5	98.4	98.9	99.0	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	95.5	98.4	98.9	99.0	99.2	99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	95.5	98.4	98.9	99.0	99.2	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES																					
	GE 10 5	GE 6 4	GE 3 2 1/2	GE 2 1 1/2	GE 1 1/4	GE 1 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE C	GE 10 5	GE 6 4	GE 3 2 1/2	GE 2 1 1/2	GE 1 1/4	GE 1 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE C
NO CEIL	61.1	61.3	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 20000	70.6	71.2	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	70.9	71.4	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 16000	71.0	71.5	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 14000	72.0	72.7	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 12000	73.8	74.5	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 10000	79.0	80.0	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 9000	81.7	82.7	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 8000	83.7	84.7	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 7000	85.5	86.6	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 6000	86.6	87.6	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 5000	89.0	90.3	90.9	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 4500	89.5	91.0	91.5	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4000	91.4	92.0	92.6	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3500	91.6	93.2	93.8	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	92.7	94.6	95.4	95.6	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	93.5	95.5	96.2	96.5	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2100	94.0	95.9	96.7	96.9	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	94.1	96.0	96.8	97.0	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	94.6	96.6	97.3	97.5	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	95.4	97.3	98.1	98.3	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1100	95.8	97.8	98.6	98.6	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	95.8	97.8	98.6	98.8	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	95.9	98.2	98.7	98.9	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	95.9	98.0	98.7	98.9	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	94.0	98.1	98.8	99.0	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	96.0	98.2	98.9	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.0	98.2	99.9	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.2	98.2	98.9	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.0	98.2	98.9	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.0	98.2	98.9	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	96.2	98.2	98.9	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFCETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 2100-2300

CEIL IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8		
NO CEIL	67.7	68.3	68.3	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
GE 20000	73.7	74.2	74.3	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
GE 18000	73.8	74.3	74.4	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
GE 16000	73.9	74.3	74.4	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
GE 14000	74.4	74.9	75.1	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
GE 12000	75.4	76.1	76.3	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	
GE 10000	79.2	80.0	80.3	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	
GE 9000	81.1	81.8	82.2	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
GE 8000	82.6	83.5	83.9	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
GE 7000	83.7	84.6	84.9	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	
GE 6000	84.2	86.2	86.6	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
UF 5000	87.3	88.8	89.2	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	
GE 4000	89.0	90.7	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
GE 4000	89.5	91.3	91.9	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
GE 3500	90.9	92.7	93.3	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	
GE 3000	91.7	94.1	94.7	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
GE 2500	97.5	95.1	95.7	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GE 2000	97.3	96.3	97.0	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 1800	94.0	97.0	97.6	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1500	94.1	97.1	97.7	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 1200	94.2	97.2	97.8	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 1000	94.5	97.7	98.4	98.9	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE 900	94.6	97.8	98.5	99.0	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 800	94.8	98.1	98.7	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 700	94.8	98.1	98.7	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 600	94.9	98.3	98.9	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	94.9	98.3	98.9	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	94.9	98.3	98.9	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	94.9	98.3	98.9	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	94.9	98.3	98.9	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	94.9	98.3	98.9	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	94.9	98.3	98.9	99.5	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
	1	1C	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1 1/4	GE
NO CEIL	58.1	60.1	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.8
GE 20000	64.6	66.9	67.2	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.7
GE 18000	64.8	67.1	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.9
GE 16000	64.8	67.1	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.9	68.0
GE 14000	65.7	68.0	68.4	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.9	68.9
GE 12000	67.2	69.6	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.5	70.6
GE 10000	72.2	75.0	75.4	75.6	75.7	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.1
GE 9000	74.3	77.1	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.3
GE 8000	76.3	79.2	79.7	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.4
GE 7000	77.9	80.9	81.4	81.6	81.7	81.7	81.8	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.1	82.1	82.2
GE 6000	79.3	82.4	82.9	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.7
GE 5000	81.6	84.9	85.4	85.7	85.8	85.8	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.3
GE 4500	82.7	F6.1	86.6	86.9	87.1	87.1	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.5
GE 4000	83.5	86.9	87.5	87.8	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.5
GE 3500	84.7	88.2	88.8	89.1	89.2	89.3	89.3	89.3	89.4	89.4	89.5	89.5	89.6	89.6	89.6	89.7	89.7
GE 3000	86.1	89.9	90.5	90.9	91.1	91.1	91.2	91.2	91.3	91.3	91.4	91.4	91.5	91.5	91.5	91.6	91.6
GE 2500	87.2	91.2	91.8	92.2	92.4	92.5	92.6	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.9	93.0
GE 2000	89.1	92.5	93.2	93.6	93.8	93.9	94.0	94.0	94.1	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.5
GE 1800	88.5	92.8	93.5	93.9	94.2	94.3	94.4	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.8	94.8
GE 1500	89.0	93.4	94.2	94.6	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.5
GE 1200	89.6	94.2	94.9	95.3	95.6	95.8	95.9	96.0	96.0	96.1	96.2	96.2	96.2	96.3	96.3	96.4	96.4
GE 1000	90.0	94.7	95.5	95.9	96.2	96.4	96.5	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0
GE 900	92.3	95.0	95.8	96.2	96.6	96.7	96.9	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.5	97.5
GE 800	93.5	95.4	96.2	96.6	97.0	97.2	97.4	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.9	97.9
GE 700	90.5	95.5	96.4	96.8	97.2	97.4	97.6	97.6	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2
GE 600	90.6	95.7	96.6	97.1	97.5	97.7	98.0	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6
GE 500	90.7	95.9	96.8	97.4	97.8	98.1	98.4	98.6	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1
GE 400	90.7	96.0	96.9	97.5	98.0	98.3	98.7	98.8	99.0	99.0	99.1	99.2	99.2	99.2	99.3	99.4	99.4
GE 300	90.7	96.0	97.0	97.6	98.2	98.5	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.6
GE 200	90.7	96.0	97.0	97.6	98.2	98.5	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.8
GE 100	90.7	96.0	97.0	97.6	98.2	98.5	98.9	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.9
GE 61	91.7	96.0	97.0	97.6	98.2	98.5	98.9	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): UCJD-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE J	
NO CEIL	59.1	69.6	63.0	60.1	60.4	60.4	60.4	60.7	60.7	60.7	67.9	60.9	61.0	61.0	61.1	61.1
GE 20000	61.3	62.8	62.2	63.3	63.7	63.7	63.7	63.9	63.9	63.9	64.1	64.1	64.2	64.2	64.3	64.3
GE 18000	61.4	62.9	63.3	63.4	63.8	63.8	63.8	64.0	64.0	64.0	64.2	64.2	64.3	64.3	64.4	64.4
GE 16000	61.4	62.9	63.3	63.4	63.8	63.8	63.8	64.0	64.0	64.0	64.2	64.2	64.3	64.3	64.4	64.4
GE 14000	62.1	63.6	64.0	64.1	64.4	64.4	64.4	64.7	64.7	64.7	64.9	64.9	65.0	65.0	65.1	65.1
GE 12000	63.0	64.4	64.9	65.0	65.3	65.3	65.3	65.6	65.6	65.6	65.8	65.8	65.9	65.9	66.0	66.0
GE 10000	66.9	68.3	68.8	68.9	69.2	69.2	69.2	69.4	69.4	69.4	69.7	69.7	69.8	69.8	69.9	69.9
GE 9000	67.9	69.3	69.8	69.9	70.2	70.2	70.2	70.4	70.4	70.4	70.7	70.7	70.8	70.8	70.9	70.9
GE 8000	69.3	70.8	71.2	71.3	71.7	71.7	71.7	71.9	71.9	71.9	72.1	72.1	72.2	72.2	72.3	72.3
GE 7000	71.4	73.2	73.7	73.8	74.1	74.1	74.1	74.3	74.3	74.3	74.6	74.6	74.7	74.7	74.8	74.8
GE 6000	72.6	74.3	74.9	75.0	75.3	75.3	75.3	75.6	75.6	75.6	75.8	75.8	75.9	75.9	76.0	76.0
GE 5000	75.7	77.7	78.2	78.3	78.7	78.7	78.7	78.9	78.9	78.9	79.1	79.1	79.2	79.2	79.3	79.3
GE 4000	77.1	79.1	79.7	79.8	80.1	80.1	80.1	80.3	80.3	80.3	80.6	80.6	80.7	80.7	80.9	80.9
GE 4000	78.1	80.2	80.8	80.9	81.2	81.2	81.2	81.4	81.4	81.4	81.7	81.7	81.9	81.9	82.0	82.0
GE 3000	79.7	81.9	82.6	82.7	83.0	83.0	83.0	83.2	83.2	83.2	83.4	83.4	83.6	83.6	83.8	83.8
GE 3000	82.2	84.6	85.4	85.7	86.0	86.0	86.0	86.2	86.2	86.2	86.4	86.4	86.6	86.6	86.8	86.8
GE 2000	83.9	86.9	87.7	87.9	88.2	88.2	88.2	88.4	88.4	88.4	88.7	88.7	88.8	88.8	89.0	89.0
GE 2000	85.9	89.0	89.9	90.2	90.6	90.6	90.6	90.8	90.8	90.8	91.0	91.0	91.1	91.1	91.3	91.3
GE 1800	86.8	90.1	91.0	91.3	91.7	91.7	91.7	91.9	91.9	91.9	92.1	92.1	92.2	92.2	92.4	92.4
GE 1500	87.2	93.7	91.7	92.0	92.3	92.3	92.3	92.6	92.6	92.6	92.8	92.8	92.9	92.9	93.1	93.1
GE 1200	88.2	92.2	93.3	93.6	94.1	94.1	94.1	94.3	94.3	94.3	94.6	94.6	94.7	94.7	94.9	94.9
GE 1000	89.6	94.0	95.2	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.4	96.4	96.6	96.6	96.8	96.8
GE 900	89.9	94.4	95.7	96.1	96.4	96.4	96.4	96.7	96.7	96.7	96.9	96.9	97.0	97.0	97.2	97.2
GE 800	90.1	94.9	96.1	96.6	96.9	96.9	96.9	97.1	97.1	97.1	97.3	97.3	97.4	97.4	97.7	97.7
GE 700	90.2	95.1	96.3	96.8	97.2	97.2	97.2	97.4	97.4	97.4	97.7	97.7	97.8	97.8	98.0	98.0
GE 600	90.3	95.2	96.6	97.0	97.4	97.4	97.4	97.9	97.9	97.9	98.1	98.1	98.2	98.2	98.4	98.4
GE 500	90.3	95.7	97.1	97.4	97.9	97.9	97.9	98.4	98.4	98.4	98.7	98.7	98.8	98.8	99.0	99.0
GE 400	90.3	95.8	97.1	97.6	98.2	98.2	98.2	98.7	98.7	98.7	99.1	99.1	99.2	99.2	99.4	99.4
GE 300	90.3	95.8	97.1	97.6	98.2	98.2	98.2	98.9	98.9	98.9	99.1	99.1	99.2	99.2	99.4	99.4
GE 200	90.3	95.9	97.4	98.1	98.6	98.6	98.6	99.0	99.3	99.3	99.6	99.6	99.7	99.7	99.9	99.9
GE 100	90.3	95.9	97.4	98.1	98.6	98.6	98.6	99.3	99.3	99.3	99.6	99.6	99.7	99.7	100.0	100.0
GE 0	90.3	95.9	97.4	98.1	98.6	98.6	98.6	99.0	99.3	99.3	99.6	99.6	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSLS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 77-86

MONTH: SEF HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	56.8	58.4	58.9	59.0	59.2	59.2	59.4	59.6	59.6	60.0	60.2	60.2	60.3	60.4	60.4	60.4
GE 2000	59.1	60.8	61.2	61.3	61.6	61.6	61.8	61.9	61.9	62.3	62.6	62.6	62.7	62.8	62.8	62.8
GE 1800	59.2	60.9	61.3	61.4	61.7	61.7	61.9	62.3	62.3	62.4	62.7	62.7	62.8	62.9	62.9	62.9
GE 1600	59.2	60.9	61.3	61.4	61.7	61.7	61.9	62.0	62.0	62.4	62.7	62.7	62.8	62.9	62.9	62.9
GE 1400	59.8	61.4	61.9	62.0	62.2	62.2	62.4	62.6	62.6	63.0	63.2	63.2	63.3	63.4	63.4	63.4
GE 1200	60.9	62.6	63.0	63.1	63.3	63.3	63.6	63.7	63.7	64.1	64.3	64.3	64.6	64.7	64.7	64.7
GE 1000	64.2	66.0	66.4	66.6	66.9	66.8	67.0	67.1	67.1	67.6	67.8	67.8	68.0	68.1	68.1	68.1
GE 900	66.0	67.6	68.2	68.3	68.6	68.6	68.8	68.9	68.9	69.3	69.6	69.6	69.8	69.9	69.9	69.9
GE 800	67.2	69.0	69.4	69.6	69.8	69.8	70.0	70.1	70.1	70.6	70.8	70.8	71.0	71.1	71.1	71.1
GE 700	69.8	71.7	72.1	72.2	72.4	72.4	72.7	72.8	72.8	73.2	73.4	73.4	73.7	73.8	73.8	73.8
GE 600	71.2	73.1	73.6	73.7	73.9	73.9	74.1	74.2	74.2	74.7	74.9	74.9	75.1	75.2	75.2	75.2
GE 500	73.4	75.4	75.9	76.0	76.2	76.2	76.4	76.6	76.6	77.0	77.2	77.2	77.4	77.6	77.6	77.6
GE 400	75.2	77.2	77.7	77.9	78.1	78.1	78.3	78.4	78.4	79.4	79.1	79.1	79.3	79.4	79.4	79.4
GE 400	75.7	77.8	78.2	78.4	78.7	78.7	78.9	79.0	79.0	79.4	79.7	79.7	79.9	80.0	80.0	80.0
GE 300	75.9	78.0	78.4	78.7	78.9	78.9	79.1	79.2	79.2	79.7	79.9	79.9	80.1	80.2	80.2	80.2
GE 300	77.8	80.3	80.8	81.1	81.3	81.3	81.6	81.7	81.7	82.1	82.3	82.3	82.6	82.7	82.7	82.7
GE 250	80.0	82.7	83.1	83.4	83.7	83.7	83.9	84.0	84.0	84.4	84.7	84.7	84.9	85.0	85.0	85.0
GE 200	82.3	85.3	85.8	86.1	86.4	86.4	86.7	86.8	86.8	87.2	87.4	87.4	87.7	87.8	87.8	87.8
GE 1800	83.7	86.8	87.2	87.6	87.9	87.9	88.1	88.2	88.2	88.7	88.9	88.9	89.1	89.2	89.2	89.2
GE 1500	84.1	87.3	87.8	88.1	88.4	88.4	88.7	88.8	88.8	89.2	89.4	89.4	89.7	89.8	89.8	89.8
GE 1200	85.7	89.0	89.9	90.3	90.7	90.7	90.9	91.0	91.0	91.4	91.7	91.7	91.9	92.0	92.0	92.0
GE 1000	86.4	90.4	91.4	91.9	92.2	92.2	92.7	92.8	92.8	93.2	93.4	93.4	93.7	93.8	93.8	93.8
GE 900	87.0	90.6	91.6	92.0	92.4	92.4	92.9	93.0	93.0	93.4	93.7	93.7	93.9	94.0	94.0	94.0
GE 800	87.3	91.1	92.1	92.6	93.0	93.0	93.4	93.6	93.6	94.0	94.2	94.2	94.4	94.6	94.6	94.6
GE 700	87.7	91.6	92.7	93.1	93.6	93.6	94.0	94.1	94.1	94.6	94.8	94.8	95.0	95.1	95.1	95.1
GE 600	88.3	93.1	94.2	94.7	95.1	95.1	95.6	95.7	95.7	96.1	96.3	96.3	96.6	96.7	96.7	96.7
GE 500	89.6	93.6	95.1	95.7	96.1	96.2	96.9	97.0	97.0	97.4	97.7	97.7	97.9	98.0	98.0	98.0
GE 400	86.6	93.9	95.4	96.2	96.8	97.0	97.9	98.0	98.0	98.4	98.7	98.7	98.9	99.0	99.0	99.0
GE 300	88.6	94.0	95.7	96.6	97.2	97.4	98.3	98.6	98.6	99.0	99.2	99.2	99.4	99.6	99.6	99.6
GE 200	88.6	94.0	95.8	96.6	97.4	97.7	98.6	98.5	98.9	99.2	99.4	99.4	99.7	99.8	99.9	99.9
GE 100	88.6	94.0	95.8	96.8	97.4	97.7	98.6	98.6	98.9	99.2	99.4	99.4	99.7	99.8	99.9	100.0
GE 0	88.6	94.0	95.8	96.8	97.4	97.7	98.6	98.8	98.8	99.2	99.4	99.4	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 1C	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	48.1	50.6	51.1	51.2	51.2	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.8	52.0	52.0
GE	20000	52.1	54.8	55.5	55.4	55.4	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.3	56.3
GE	18000	52.1	54.6	55.3	55.6	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.2	56.4	56.4
GE	16000	52.1	54.8	55.3	55.6	55.6	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.2	56.4	56.4
GE	14000	52.4	55.2	55.8	56.0	56.0	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.7	56.9	56.9
GE	12000	54.1	57.0	57.6	57.8	57.8	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.7	58.7
GE	10000	57.1	60.1	60.7	60.9	61.0	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	62.0	62.0
GE	9000	59.3	61.4	62.0	62.2	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.1	63.3	63.3
GE	8000	61.6	64.8	65.3	65.6	65.7	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.7	66.7
GE	7000	64.2	67.4	68.3	68.2	68.3	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.1	69.3	69.3
GE	6000	65.2	68.4	69.0	69.2	69.3	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1	70.3	70.3
GE	5000	68.1	71.4	72.0	72.2	72.3	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.1	73.3	73.3
GE	4500	69.2	73.0	73.8	74.0	74.1	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.0	75.2	75.2
GE	4000	70.9	74.8	75.6	75.0	75.9	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8	77.0	77.0
GE	3500	71.6	75.6	76.3	76.6	76.7	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6	77.8	77.8
GE	3000	72.4	76.7	77.4	77.7	77.8	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.7	79.0	79.0
GE	2500	74.3	79.0	80.2	80.4	80.6	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.4	81.7	81.7
GE	2000	76.0	81.1	82.3	82.6	82.7	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.6	83.8	83.8
GE	1800	77.2	82.4	83.8	84.0	84.1	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.3	85.3
GE	1500	78.4	84.0	85.3	85.6	85.7	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.9	86.9
GE	1200	79.8	85.7	87.0	87.2	87.3	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3	88.6	88.6
GE	1000	87.7	89.0	89.4	88.7	88.8	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.9	90.1	90.1
GE	900	81.2	88.1	89.7	90.1	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.2	91.4	91.4
GE	800	81.7	88.6	90.2	90.7	90.8	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9	92.1	92.1
GE	700	82.4	89.6	91.2	91.7	92.0	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	93.3	93.3
GE	600	83.1	90.9	92.7	93.6	93.9	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.1	95.3	95.3
GE	500	83.2	91.7	93.7	94.6	94.9	95.1	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.3	96.3
GE	400	83.4	92.2	94.4	95.3	96.0	96.5	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.9	97.9
GE	300	83.6	92.6	94.6	95.7	96.6	96.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.7	98.8
GE	200	83.6	92.6	94.8	95.7	96.7	97.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.6	99.0	99.2
GE	100	83.6	92.6	94.8	95.7	96.7	97.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	99.0	99.0
GE	0	83.6	92.6	94.8	95.7	96.7	97.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS**

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS(LST): 0900-1100

TOTAL NUMBER OF OBSERVATIONS: 400

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO NC

PERIOD OF RECORD: 77-86  
MONTH: SEP POLARISLIST: 1980-1400

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 127530

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 77-88  
MONTH: SEP HOURS/STATUTE: 1800-0000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	1/2	9	10	11	12	13	14	15
NO CEIL	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
CE 20.0	67.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
CE 18.0	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
CE 16.0	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
CE 14.0	61.4	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
CE 12.0	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
CE 10.0	64.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
CE 8.0	66.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
CE 6.0	67.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
CE 4.0	69.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
CE 2.0	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
CE 0.0	74.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
CE 45.0	77.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
CE 40.0	79.2	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
CE 35.0	81.8	83.4	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
CE 30.0	84.9	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
CE 25.0	87.0	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
CE 20.0	89.6	91.3	91.4	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
CE 16.0	90.8	91.3	91.7	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
CE 15.0	90.2	92.8	93.1	93.2	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
CE 10.0	91.9	94.0	94.4	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
CE 5.0	91.1	94.6	95.1	95.4	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
CE 0.0	91.2	95.8	96.2	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
CE 40.0	91.3	95.3	96.0	96.4	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
CE 30.0	91.3	95.4	96.1	96.6	96.9	96.9	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
CE 20.0	91.7	96.0	96.6	97.0	97.8	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
CE 10.0	91.7	96.4	97.7	98.1	98.7	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 0.0	91.7	96.4	97.7	98.1	98.7	98.7	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-84  
MONTH: SEP HOURS IN STATION: 160-2300

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86,  
MONTH: SEP HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL	53.0	54.1	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	
GE 20000	56.7	57.9	58.2	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	
GE 18000	56.8	58.0	58.3	58.4	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	
GE 16000	56.9	58.0	58.3	58.4	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.8	58.8	58.8	58.9	58.9	58.9	
GE 14000	57.2	58.5	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	
GE 12000	58.4	59.6	59.9	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	
GE 10000	61.3	62.6	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.5	63.5	63.5	
GE 9000	62.5	63.9	64.2	64.3	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.8	64.8	64.8	
GE 8000	64.4	65.8	66.1	66.2	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	
GE 7000	67.2	68.6	68.9	69.0	69.1	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.5	69.5	69.5	
GE 6000	68.2	69.9	70.2	70.3	70.5	70.5	70.6	70.6	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	
GE 5000	70.7	72.7	73.1	73.2	73.3	73.3	73.4	73.5	73.5	73.5	73.6	73.6	73.7	73.7	73.7	73.7	73.7	
GE 4000	72.6	74.8	75.2	75.3	75.4	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.9	75.9	75.9	
GE 3000	74.2	76.4	76.8	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.5	
GE 3000	75.9	78.3	78.7	78.8	79.0	79.0	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.4	79.4	
GE 3000	79.4	80.9	81.3	81.5	81.7	81.7	81.8	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	
GE 2500	81.7	84.1	84.6	84.8	85.0	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	
GE 2000	83.6	86.6	87.2	87.4	87.6	87.7	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.1	88.1	88.1	88.1	
GE 1800	84.5	87.6	88.2	88.5	88.7	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.1	89.1	89.2	89.2	89.2	
GE 1500	85.7	89.1	89.7	89.9	90.1	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.7	90.7	90.7	
GE 1200	87.7	90.8	91.6	91.9	92.2	92.3	92.4	92.4	92.5	92.6	92.6	92.6	92.7	92.7	92.8	92.8	92.8	
GE 1000	88.3	93.1	93.4	93.7	93.8	94.0	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.4	
GE 900	89.7	93.1	94.0	94.4	94.7	94.8	95.0	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	
GE 800	89.9	93.6	94.5	94.9	95.3	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.9	95.9	96.0	96.0	96.0	
GE 700	89.9	94.1	95.1	95.5	96.0	96.1	96.4	96.4	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	
GE 600	90.6	94.8	95.9	96.4	96.9	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.8	97.8	97.8	
GE 500	92.7	95.2	96.3	96.9	97.5	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	
GE 400	95.7	95.4	96.6	97.3	97.9	98.2	98.7	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.2	
GE 300	95.7	95.5	96.8	97.5	98.3	98.6	99.1	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	
GE 200	95.7	95.6	96.9	97.6	98.3	98.7	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.9	99.9	
GE 100	95.7	95.6	96.9	97.6	98.3	98.7	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.9	99.9	
TOTAL NUMBER OF OBSERVATIONS:	7200																	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0030-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																		
	1	GE	GE	GE	GE	GE	GE	GF	GE	GE	GE	GE	GL	GE	GE	GE	GE	GE	
	1	7	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4
ND CEIL	50.9	51.7	51.7	51.8	51.8	51.8	51.8	51.9	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	
GE 2000	54.2	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	
GE 1800	54.3	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	
GE 1600	54.3	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	
GE 1400	56.1	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	
GE 1200	56.1	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	
GE 1000	57.6	60.5	60.5	60.8	60.8	61.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	
GE 900	61.5	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	
GE 800	61.1	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	
GE 700	65.6	56.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	
GE 600	67.0	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	
GE 500	71.3	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	
GE 450	73.0	74.5	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	
GE 400	74.3	76.0	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	
GE 350	76.0	77.7	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	
GE 300	77.7	79.5	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	
GE 250	81.8	84.1	84.4	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	
GE 200	82.9	85.6	85.9	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	
GE 1800	87.2	86.1	86.5	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	
GE 1500	84.2	87.4	87.7	88.7	88.9	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	
GE 1200	85.5	88.9	89.4	90.4	91.6	90.6	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	
GE 1000	86.0	89.9	90.3	91.4	91.6	91.7	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	
GE 900	87.8	91.2	91.6	92.8	93.2	93.1	93.2	93.5	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	
GE 800	91.9	91.8	92.4	93.5	93.8	93.9	94.0	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	
GE 700	97.1	92.3	92.8	94.0	94.2	94.3	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	
GE 600	97.7	92.9	93.7	94.9	95.2	95.3	95.5	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	
GE 500	98.1	93.9	95.2	96.7	97.2	97.3	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	
GE 400	98.1	93.9	95.3	97.0	97.6	97.7	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	
GE 300	98.1	93.9	95.6	97.3	98.0	98.1	98.5	99.1	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	
GE 200	98.1	93.9	95.6	97.3	98.0	98.1	98.5	99.1	99.4	99.5	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	
GE 100	98.1	93.9	95.6	97.3	98.0	98.1	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727533 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0700-0500

NO	CEIL	VISIBILITY IN STATUTE MILES																	
		IN	GE FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GL 1/2	GE 4/16	GE 1/4	GE 0
GE	20000	54.0	55.5	56.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
GE	18000	54.1	55.6	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.8
GE	16000	54.1	55.6	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.8
GE	14000	54.9	56.5	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6
GE	12000	55.8	57.3	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5
GE	10000	59.1	60.8	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
GE	9000	60.2	61.8	62.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1
GE	8000	61.1	62.7	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0
GE	7000	64.5	66.2	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
GE	6000	65.5	67.6	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9
GE	5000	68.8	71.3	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6
GE	4500	73.4	73.2	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5
GE	4000	73.9	75.9	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3
GE	3500	74.2	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
GE	3000	76.2	79.7	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
GE	2500	79.5	83.2	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
GE	2000	81.3	85.8	86.9	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
GE	1400	81.4	86.1	87.2	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2
GE	1300	81.9	86.8	87.8	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
GE	1200	87.9	93.2	93.3	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7
GE	1100	84.2	99.8	90.9	91.4	91.8	91.8	91.8	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.4
GE	900	84.6	92.4	91.5	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
GE	800	85.1	91.2	92.4	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.9
GE	700	85.3	92.2	93.5	94.2	94.6	94.6	94.6	94.6	94.6	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3
GE	600	86.1	93.2	94.6	95.6	96.1	96.2	96.2	96.2	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.0
GE	500	86.1	93.4	94.4	96.1	97.3	97.4	97.5	97.6	97.6	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.3
GE	400	86.2	93.7	95.3	96.6	97.8	98.1	98.2	98.2	98.2	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.9
GE	300	84.2	93.6	95.4	96.8	98.1	98.2	98.4	98.4	98.4	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.4
GE	200	86.2	93.6	95.4	96.8	98.1	98.2	98.4	98.4	98.4	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE	150	86.2	93.8	95.4	96.8	98.1	98.2	98.4	98.4	98.4	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0
GE	0	86.2	93.8	95.4	96.8	98.1	98.2	98.4	98.4	98.4	98.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 93L

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 777533 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-88  
MONTH: OCT FOLRS(LST): 0600-0800

NO	CEIL	VISIBILITY IN STATUTE MILES																
		IN	1	GE	GE	GE	GE	GE	GE	GE								
FEET		1	10	6	5	4	3	2	1/2	2	1 1/2	1 1/4	1	7/4	5/8	1/2	1/16	1/4
GE	20000	44.2	51.1	52.2	52.5	52.8	52.9	53.2	53.2	53.2	53.3	53.5	53.7	53.7	53.7	53.7	54.1	
GE	18000	48.2	51.1	52.2	52.5	52.8	52.9	53.2	53.2	53.2	53.3	53.5	53.7	53.7	53.7	53.8	54.1	
GE	16000	48.2	51.1	52.2	52.5	52.8	52.9	53.2	53.2	53.2	53.3	53.5	53.7	53.7	53.7	53.8	54.1	
GE	14000	49.1	52.0	53.1	53.4	53.8	53.9	54.2	54.2	54.2	54.3	54.5	54.6	54.6	54.6	54.7	55.1	
GE	12000	50.4	53.3	54.4	54.7	55.1	55.2	55.5	55.5	55.5	55.6	55.8	55.9	55.9	55.9	56.2	56.3	
GE	10000	54.8	57.8	58.9	59.2	59.6	59.7	60.1	60.1	60.1	60.2	60.4	60.5	60.5	60.6	61.1	61.6	
GE	9000	55.6	58.9	60.0	60.3	60.6	60.8	61.2	61.2	61.2	61.3	61.5	61.6	61.6	61.6	61.7	62.0	
GE	8000	67.1	69.2	69.3	69.6	69.9	70.0	70.5	70.5	70.5	70.6	70.9	71.0	71.0	71.0	71.1	71.4	
GE	7000	69.0	69.3	69.4	69.6	69.9	70.2	70.5	70.5	70.5	70.6	70.9	71.0	71.0	71.0	71.3	71.6	
GE	6000	61.2	64.4	65.5	65.6	66.1	66.3	66.9	66.9	66.9	67.0	67.2	67.3	67.3	67.3	67.4	67.7	
GE	5000	63.4	66.9	68.1	68.4	68.7	68.9	69.5	69.5	69.5	69.6	69.8	69.9	69.9	69.9	70.0	70.3	
GE	4000	64.5	68.0	69.1	69.5	69.8	70.0	70.5	70.5	70.5	70.6	70.9	71.0	71.0	71.0	71.1	71.4	
GE	3000	66.2	69.8	71.0	71.3	71.6	71.8	72.4	72.4	72.4	72.5	72.7	72.8	72.8	72.8	72.9	73.2	
GE	2500	63.1	71.8	73.0	73.3	73.7	74.0	74.6	74.6	74.6	74.7	74.9	75.1	75.1	75.1	75.2	75.5	
GE	2000	70.8	75.1	76.3	76.7	77.0	77.3	78.0	78.0	78.0	78.1	78.3	78.4	78.4	78.4	78.5	78.8	
GE	2000	73.3	78.4	79.7	80.0	80.4	80.8	81.6	81.7	81.7	81.8	82.0	82.2	82.2	82.2	82.3	82.6	
GE	2000	76.1	81.3	82.6	83.0	83.4	84.0	84.8	85.1	85.1	85.2	85.4	85.5	85.5	85.5	85.6	85.9	
GE	1800	76.7	82.0	83.3	83.9	84.3	84.8	85.7	85.9	85.9	86.0	86.2	86.3	86.3	86.3	86.5	86.8	
GE	1500	77.6	83.2	84.6	85.2	85.7	86.2	87.1	87.3	87.3	87.4	87.6	87.7	87.7	87.7	87.8	88.2	
GE	1200	78.8	84.7	86.1	86.7	87.3	87.6	88.7	88.7	88.7	88.9	89.0	89.4	89.4	89.4	89.5	89.8	
GE	1000	79.6	85.8	87.2	87.7	88.5	89.0	89.9	89.9	89.9	90.2	90.3	90.5	90.6	90.6	90.8	91.1	
GE	900	87.3	86.8	88.2	88.8	89.6	90.1	91.0	91.3	91.3	91.4	91.6	91.7	91.7	91.7	91.8	92.0	
GE	800	87.5	88.9	89.6	90.3	91.0	91.8	92.3	92.3	92.3	92.4	92.6	92.7	92.7	92.7	92.8	93.1	
GE	700	81.2	88.1	89.5	90.2	91.3	91.9	92.8	93.2	93.2	93.3	93.5	93.7	93.7	93.7	93.8	94.1	
GE	600	91.8	99.5	90.9	91.6	93.0	93.9	94.9	95.5	95.6	95.9	96.2	96.3	96.3	96.3	96.5	96.8	
GE	500	81.9	89.8	91.5	92.6	94.1	94.9	96.1	96.6	96.9	97.2	97.5	97.6	97.6	97.6	97.7	98.1	
GE	400	87.2	90.1	91.8	93.1	94.4	95.5	96.8	97.4	97.5	97.8	98.3	98.4	98.4	98.4	98.5	98.8	
GE	300	82.3	90.3	92.2	93.4	94.7	95.8	97.1	97.8	98.0	99.3	99.7	99.8	99.8	99.8	99.8	99.2	
GE	200	82.3	90.3	92.2	93.4	94.7	95.9	97.2	98.0	99.1	99.5	99.5	99.9	99.9	99.9	99.9	99.6	
GE	100	82.3	90.3	92.2	93.4	94.7	95.9	97.2	98.0	98.1	98.5	99.0	99.1	99.1	99.4	99.6	100.0	
GE	61	80.3	90.3	92.2	93.4	94.7	95.9	97.2	98.0	98.1	98.5	99.0	99.1	99.1	99.4	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 0000-1100

CEILING	VISIBILITY IN STATUTE MILES																	
	IN FEET	1 10	GE 6	GE 5	GE 4	GE 3	GE 2	1/2	2 1 1/2	1 1/4	GE 1	GE 3/4	Gr 3/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	42.8	45.3	45.4	45.6	46.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	
GE 20001	42.3	51.2	51.3	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
GE 18001	42.3	51.4	51.5	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	
GE 16001	42.3	51.4	51.5	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	
GE 14001	42.3	51.4	51.5	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	
GE 12001	42.3	52.9	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	
GE 10001	52.4	56.8	56.9	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	
GE 9001	54.3	57.8	58.0	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	
GE 8001	56.0	59.7	59.8	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	
GE 70001	57.1	60.8	60.9	61.3	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	
GE 6001	58.5	62.2	62.3	62.7	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	
GE 5001	59.8	63.8	63.9	64.3	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	
GE 4001	62.8	64.7	64.8	65.3	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	
GE 4002	62.5	66.6	66.7	67.1	67.2	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	
GE 3001	63.8	68.0	68.1	68.5	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	
GE 30001	65.0	70.2	70.3	70.6	70.9	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	
GE 25001	66.6	74.4	74.6	75.1	75.2	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	
GE 20001	77.0	78.5	79.0	79.7	79.9	79.9	80.4	80.5	80.6	80.6	80.6	80.6	80.6	81.4	81.4	81.4	81.4	
GE 15001	74.1	79.9	80.5	81.2	81.4	81.4	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	
GE 15002	75.9	82.2	83.0	83.7	84.1	84.2	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	
GE 12001	78.2	85.4	86.2	86.9	87.3	87.5	88.4	88.5	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	
GE 10001	79.6	87.1	88.0	88.6	89.0	89.4	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	
GE 9001	80.6	88.8	89.8	90.6	91.3	91.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	
GE 8001	81.4	90.0	91.0	91.5	92.7	93.0	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	
GE 7001	81.6	90.4	91.6	92.5	93.7	94.2	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	
GE 6001	81.6	91.6	92.9	93.8	95.1	96.1	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	
GE 5001	81.6	91.7	93.1	94.1	95.4	96.5	98.1	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	
GE 4001	81.8	91.9	93.3	94.3	95.6	96.7	98.5	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	
GE 3001	81.8	91.9	93.3	94.3	95.6	96.8	98.6	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 2001	81.8	91.9	93.3	94.3	95.6	96.8	98.6	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE 1001	81.8	91.9	93.3	94.3	95.6	96.8	98.6	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	
GE	81.8	91.9	93.3	94.3	95.6	96.8	98.6	99.5	99.7	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 935

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 77-86  
MONTHS: OCT HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 1/8	GE 1/16	GE 1/32	
NO CEIL	43.8	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	
GE 20000	45.2	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	
GE 18000	49.2	51.0	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	
GE 16000	49.2	51.0	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	
GE 14000	49.8	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
GE 12000	51.1	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	
GE 10000	53.8	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	
GE 9000	54.4	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 8000	56.9	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
GE 7000	57.4	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	
GE 6000	57.8	60.0	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	
GE 5000	59.5	61.6	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
GE 4500	60.4	62.6	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	
GE 4000	62.5	64.6	64.8	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	
GE 3500	64.0	66.1	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 3000	66.0	70.3	70.5	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
GE 2500	73.7	75.7	75.9	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	
GE 2000	76.6	79.6	79.8	80.2	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	
GE 1900	79.1	81.4	81.6	82.3	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
GE 1700	80.9	85.3	86.0	86.7	87.2	87.2	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	
GE 1500	82.6	87.8	88.8	90.0	90.2	90.2	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	
GE 1000	84.0	91.6	91.9	92.8	92.8	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
GE 900	84.6	91.0	92.2	93.1	94.0	94.0	94.2	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
GE 800	84.6	91.7	92.4	94.1	95.2	95.3	95.6	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
GE 700	84.6	91.9	93.1	94.3	95.4	95.5	95.8	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
GE 600	84.9	92.6	93.9	95.6	96.7	96.9	97.4	97.9	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 500	84.9	92.7	94.0	95.6	97.0	97.4	98.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 400	84.9	92.7	94.0	95.5	97.0	97.4	98.2	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	84.9	92.8	94.1	96.0	97.1	97.6	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	84.9	92.8	94.1	96.0	97.1	97.6	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	84.9	92.8	94.1	96.0	97.1	97.6	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE	91.4	92.8	94.1	96.0	97.1	97.6	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 1 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	45.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	50.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 18000	50.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 16000	50.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 14000	51.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 12000	52.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 10000	54.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 9000	55.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000	57.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 7000	59.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 6000	60.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 5000	63.0	64.5	64.6	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4500	64.7	66.7	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4000	66.9	68.9	69.0	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 3500	70.0	72.0	72.2	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 3000	74.3	76.5	76.6	76.6	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2500	77.2	80.1	80.5	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 2000	79.5	82.6	83.2	83.3	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	81.1	85.3	85.7	85.8	86.0	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1500	82.9	87.8	88.6	88.7	88.9	89.6	89.8	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1
GE 1200	84.1	90.0	90.9	91.0	91.4	92.0	92.4	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	85.7	91.8	92.8	93.0	93.4	94.2	94.7	94.7	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 900	85.7	92.3	93.2	93.8	94.3	95.1	95.6	95.7	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	85.8	92.5	93.5	94.2	94.7	95.5	96.1	96.2	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	85.9	93.0	94.1	94.8	95.4	96.2	97.0	97.1	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	86.0	93.3	94.7	95.6	95.5	97.4	98.2	98.4	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	86.0	93.3	95.1	96.2	97.2	98.3	99.0	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	86.0	93.3	95.1	96.2	97.2	98.3	99.0	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	86.0	93.3	95.1	96.2	97.2	98.3	99.0	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	86.0	93.3	95.1	96.2	97.2	98.3	99.0	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	86.0	93.3	95.1	96.2	97.2	98.3	99.0	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	86.0	93.3	95.1	96.2	97.2	98.3	99.0	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE
NO CEIL	47.1	48.1	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 20000	53.3	54.4	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 18000	53.7	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 16000	53.8	54.8	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 14000	54.4	55.6	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 12000	55.8	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	59.1	60.3	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 9000	60.3	61.5	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	61.7	63.2	63.4	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 7000	64.2	66.0	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 6000	64.7	66.7	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 5000	68.0	69.9	70.1	70.2	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4000	70.6	72.6	73.0	73.1	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3000	73.1	75.3	75.5	75.6	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 2000	75.6	77.7	78.0	78.1	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 1000	81.1	81.5	81.4	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2000	81.4	84.7	85.1	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1500	82.9	86.7	87.1	87.3	87.4	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1000	83.5	87.7	88.2	88.5	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1000	85.9	90.9	91.4	91.6	92.3	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	95.7	91.8	92.4	92.9	93.3	93.4	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1000	97.2	92.8	93.3	94.0	94.4	94.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 900	97.7	93.5	94.2	95.2	95.6	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 800	87.8	93.9	94.6	95.6	96.0	96.1	96.3	96.3	96.3	96.5	96.5	96.5	96.7	96.7	96.7	96.7
GE 700	88.0	94.1	94.9	96.0	96.5	96.6	97.0	97.0	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3
GE 600	88.0	94.5	95.6	96.8	97.4	97.5	98.0	98.0	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4
GE 500	88.1	94.6	95.7	97.0	97.7	98.1	98.5	98.6	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2
GE 400	98.1	94.6	95.7	97.1	97.8	98.3	98.7	99.0	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 300	98.1	94.6	95.7	97.1	98.0	98.4	98.8	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	98.1	94.6	95.7	97.1	98.0	98.4	98.8	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	98.1	94.6	95.7	97.1	98.0	98.4	98.8	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 01	98.1	94.6	95.7	97.1	98.0	98.4	98.8	99.2	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOURPLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 77-84  
MONTH: OCT HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4
NO CEIL	49.1	49.6	50.0	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4
GE 10001	53.0	53.5	54.0	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4
GE 18001	53.7	54.2	54.6	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1
GE 16001	53.8	54.3	54.7	54.9	54.9	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2
GE 14001	54.4	54.9	55.4	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8
GE 12001	55.1	55.7	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6
GE 10001	59.6	60.3	60.8	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
GE 9001	61.2	61.9	62.4	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8
GE 8001	62.4	63.3	63.6	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2
GE 7001	64.3	67.3	67.7	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2
GE 6001	67.6	68.7	69.1	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6
GE 5001	70.6	71.6	72.0	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5
GE 4001	73.1	74.5	74.9	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4
GE 3001	76.1	76.5	76.9	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3
GE 3001	76.6	78.0	78.4	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8
GE 3001	78.7	80.9	81.4	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9
GE 25001	81.4	84.3	84.9	85.3	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7
GE 27001	85.0	86.3	87.0	87.3	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8
GE 16001	83.4	87.0	87.7	88.1	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6
GE 15001	84.7	89.3	90.1	90.5	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1
GE 17001	85.6	90.1	91.2	91.6	91.8	91.8	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6	92.6
GE 17001	86.8	91.4	92.7	93.1	93.7	93.3	93.5	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1
GE 9001	87.2	92.2	93.7	94.3	94.5	94.5	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.3
GE 8001	87.2	92.2	93.8	94.5	94.7	94.7	94.9	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5
GE 7001	87.5	93.1	94.9	95.7	95.9	95.9	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.7
GE 6001	87.5	93.8	95.7	96.6	96.9	96.9	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.6
GE 5001	87.6	94.3	96.3	97.5	98.1	98.1	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8
GE 4001	87.6	94.3	96.3	97.5	98.3	98.3	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 3001	87.6	94.3	96.3	97.5	98.3	98.3	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
GE 2001	87.6	94.3	96.3	97.5	98.3	98.3	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
GE 1001	87.6	94.3	96.3	97.5	98.7	98.7	98.3	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3
GE 01	87.6	94.3	96.3	97.5	98.3	98.3	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARDO ND

PERIOD OF RECORD: 77-84  
MONTH: OCT HOURS(LKT): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/4	5/8	1/2	7/16	1/4	0
NO CEIL	47.0	48.3	48.6	48.6	48.8	48.6	48.9	48.9	48.9	48.9	48.9	49.0	49.1	49.0	49.0	49.0	49.0
GE 200001	51.3	52.9	53.2	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.7
GE 180001	51.5	53.1	53.4	53.5	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8
GE 160001	51.5	53.1	53.4	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.9
GE 140001	52.2	53.6	54.1	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6
GE 120001	53.3	54.9	55.2	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7
GE 100001	56.7	58.5	58.8	59.0	59.3	59.6	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
GE 90001	57.8	59.6	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4
GE 80001	59.1	61.0	61.4	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 70001	61.8	63.8	64.2	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.8
GE 60001	62.8	64.9	65.3	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.9	65.9
GE 50001	65.5	67.8	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8
GE 45001	67.2	69.6	70.0	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7
GE 40001	69.2	71.7	72.1	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8
GE 35001	71.0	73.6	74.0	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8
GE 30001	73.8	76.6	77.1	77.4	77.5	77.5	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.9
GE 25001	77.2	80.6	81.2	81.5	81.7	81.7	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2
GE 20001	79.4	83.3	83.9	84.4	84.6	84.7	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2
GE 160001	80.2	84.4	85.1	85.6	85.9	86.0	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.5	86.5
GE 150001	81.8	86.6	87.4	88.0	88.3	88.5	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.1
GE 120001	83.2	88.5	89.4	90.0	90.4	90.6	90.9	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.4
GE 100001	84.1	89.8	90.8	91.4	91.9	92.1	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9
GE 90001	84.7	91.6	91.8	92.6	93.1	93.3	93.7	93.7	93.7	93.7	94.0	94.1	94.1	94.1	94.1	94.2	94.2
GE 80001	84.9	91.3	92.4	93.3	93.9	94.1	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	95.1	95.1
GE 70001	85.1	91.9	93.1	94.0	94.6	94.9	95.4	95.6	95.7	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.0
GE 60001	85.4	92.7	94.0	95.1	95.8	96.3	96.8	97.2	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.7
GE 50001	85.6	93.0	94.5	95.8	96.7	97.2	97.9	98.3	98.5	98.7	99.7	98.7	98.8	98.8	98.8	98.9	98.9
GE 40001	85.6	93.1	94.6	96.0	97.0	97.5	98.3	98.5	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.4
GE 30001	85.6	93.1	94.7	96.1	97.1	97.7	98.4	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7
GE 20001	85.6	93.1	94.7	96.1	97.1	97.7	98.4	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7
GE 100001	85.6	93.1	94.7	96.1	97.1	97.7	98.4	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7
GE 01 AF.6	93.1	94.7	96.1	97.1	97.7	98.4	99.0	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV FOLRS/LSTI: 1000-0200

CEILING		VISIBILITY IN STATUTE MILES																	
IN FEET	FT	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4	GE 0			
NO CEIL	1	43.1	41.7	42.1	42.2	42.6	42.7	42.9	43.2	43.2	43.3	43.3	43.4	43.4	43.6	43.6	43.7		
GE 20000	1	42.2	43.6	44.2	44.3	44.7	44.8	45.0	45.3	45.3	45.3	45.4	45.4	45.6	45.6	45.7	45.8		
GE 18000	1	42.6	44.0	44.4	44.6	44.9	45.0	45.2	45.6	45.6	45.6	45.7	45.7	45.8	45.8	45.9	46.0		
GE 16000	1	42.4	44.0	44.4	44.6	44.9	45.0	45.2	45.6	45.6	45.6	45.7	45.7	45.8	45.8	45.9	46.0		
GE 14000	1	42.7	44.2	44.7	44.8	45.1	45.2	45.4	45.8	45.8	45.8	45.9	45.9	46.0	46.0	46.1	46.2		
GE 12000	1	43.2	44.9	45.3	45.4	45.8	45.9	46.1	46.4	46.4	46.6	46.7	46.7	46.8	46.8	46.9	46.9		
GE 10000	1	47.0	50.7	51.1	51.7	51.8	52.0	52.3	52.3	52.3	52.4	52.4	52.6	52.6	52.7	52.8	52.8		
GE 9000	1	49.6	51.2	51.7	51.8	52.2	52.3	52.6	52.9	52.9	52.9	53.0	53.0	53.1	53.1	53.2	53.3		
GE 8000	1	51.2	52.9	53.3	53.4	53.9	54.0	54.2	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.9	55.0		
GE 7000	1	57.3	55.1	55.6	55.7	56.1	56.2	56.4	56.4	56.8	56.9	56.9	57.0	57.0	57.1	57.2	57.2		
GE 6000	1	55.1	56.9	57.3	57.6	58.0	58.1	58.3	58.7	58.7	58.8	58.8	58.9	58.9	59.0	59.0	59.1		
UF 5000	1	55.9	58.2	58.8	59.1	59.6	59.7	60.0	60.3	60.3	60.3	60.4	60.4	60.6	60.6	60.7	60.8		
UE 4000	1	56.6	58.8	59.3	59.7	60.1	60.2	60.4	60.9	60.9	61.0	61.0	61.1	61.1	61.2	61.3			
UE 4000	1	57.7	60.1	60.7	61.0	61.4	61.6	61.9	62.2	62.2	62.3	62.3	62.4	62.4	62.6	62.7			
UE 3500	1	58.9	61.6	62.1	62.6	63.0	63.1	63.4	63.8	63.8	63.9	63.9	64.0	64.0	64.1	64.2			
UF 3000	1	62.2	65.4	66.0	66.4	66.9	67.0	67.3	67.7	67.7	67.7	67.8	67.8	67.9	67.9	68.0			
UE 2500	1	66.7	70.2	70.6	71.3	72.2	72.4	72.8	73.1	73.1	73.1	73.2	73.2	73.3	73.3	73.4			
UE 2000	1	70.2	74.2	74.9	75.4	76.4	76.8	77.2	77.6	77.6	77.6	77.7	77.7	77.8	77.8	77.9			
UE 1800	1	72.9	75.3	76.0	76.6	77.9	78.2	78.7	79.0	79.0	79.0	79.1	79.1	79.2	79.2	79.3			
UE 1500	1	72.7	77.4	78.2	79.0	80.2	80.7	81.1	81.6	81.7	81.7	81.9	81.8	81.9	82.0	82.1			
UE 1200	1	75.0	80.4	81.4	82.6	83.9	84.3	84.9	85.3	85.4	85.4	85.6	85.7	85.7	85.8	85.9			
UF 1000	1	75.3	81.4	82.6	84.3	86.1	86.6	87.2	87.8	88.0	88.0	88.2	88.2	88.3	88.3	88.4			
UF 900	1	75.3	81.6	82.7	84.6	86.4	86.9	87.7	88.7	88.8	88.8	88.9	88.9	88.9	88.9	89.0			
UF 800	1	75.6	82.4	83.4	85.3	87.2	87.7	88.4	89.2	89.5	89.5	89.6	89.6	89.6	89.6	89.7			
UF 700	1	75.9	82.6	84.1	86.0	87.9	88.3	89.1	90.1	90.2	90.2	90.4	90.4	90.6	90.6	90.8			
UE 600	1	76.2	83.3	85.2	87.3	89.2	89.7	90.8	91.6	92.1	92.3	92.6	92.6	92.7	92.7	92.8			
UF 500	1	76.2	85.6	85.4	87.8	89.8	90.2	91.7	92.7	93.1	93.7	93.9	93.9	94.0	94.0	94.1			
UF 400	1	76.2	83.7	85.8	88.3	90.4	90.9	92.7	94.1	94.6	95.2	95.4	95.4	95.6	95.6	95.9			
UF 300	1	75.2	83.9	86.2	88.9	91.2	91.9	93.9	95.4	96.0	96.7	96.9	96.9	97.2	97.2	97.3			
UF 200	1	76.2	83.6	86.2	89.9	91.3	92.0	94.0	95.8	96.6	97.4	97.8	97.8	98.4	98.4	98.9			
UF 100	1	76.2	83.8	86.2	89.0	91.7	94.0	94.0	95.4	96.5	97.4	98.0	98.0	99.2	99.2	99.3			
UF 50	1	76.2	83.8	86.2	89.0	91.3	94.0	94.0	95.6	96.6	97.4	98.1	98.1	99.2	99.2	99.4			

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS/LIST: 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	10 GE	6 GE	5 GE	4 GE	3 GE	2 GE	1 1/2 GE	2 GE	1 1/2 GE	1 1/4 GE	1 GE	3/4 GE	5/8 GE	1/2 GE	5/16 GE	1/4 GE	GE	GE
NO CEIL	39.6	41.6	42.2	42.7	43.0	43.0	43.0	43.1	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.8
GE 20000	42.4	44.6	45.2	45.7	46.0	46.0	46.0	46.1	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.8
GE 18000	42.6	44.7	45.3	45.8	46.1	46.1	46.1	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.9
GE 16000	42.6	44.7	45.3	45.8	46.1	46.1	46.1	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.9
GE 14000	43.0	45.1	45.8	46.2	46.6	46.6	46.6	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.3
GE 12000	44.4	46.6	47.2	47.8	48.1	48.1	48.1	48.2	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.9
GE 10000	49.1	51.2	51.9	52.4	52.8	52.8	52.8	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
GE 9000	49.9	52.0	52.7	53.2	53.6	53.6	53.6	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.3
GE 8000	51.0	53.1	53.6	54.3	54.7	54.7	54.7	54.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.4
GE 7000	53.4	56.0	56.7	57.2	57.6	57.6	57.7	57.8	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
GE 6000	54.0	56.7	57.4	58.0	58.3	58.3	58.4	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.2
GE 5000	54.6	57.2	58.1	58.7	59.0	59.0	59.2	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0
GE 4500	55.4	58.1	59.1	59.6	60.1	60.1	60.3	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.1
GE 4000	56.0	58.7	59.8	60.4	60.8	60.8	61.0	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5
GE 3500	56.8	59.6	60.7	61.4	61.8	61.8	62.0	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.8
SE 3200	63.1	64.1	65.2	65.6	65.6	65.8	65.9	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.6
GE 2500	63.2	66.4	68.1	69.1	69.6	69.6	69.9	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7
GE 2000	65.8	70.1	71.9	72.9	73.7	73.7	74.1	74.2	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9
GE 1500	65.9	71.6	73.4	74.6	75.7	75.7	76.1	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.9
GE 1000	68.9	74.0	76.0	77.2	78.6	78.6	79.1	79.3	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.1
GE 1200	70.4	76.6	79.2	80.7	82.2	82.2	82.9	83.3	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.2
GE 1000	71.0	78.0	80.8	82.4	84.2	84.2	85.0	85.6	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.4
GE 900	71.6	79.0	82.0	83.7	85.7	85.9	86.7	87.2	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	88.2
GE 500	71.7	79.6	82.6	84.4	86.6	86.9	87.7	88.3	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.6
GE 700	72.0	80.3	83.0	85.0	87.1	87.4	88.2	88.9	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	90.1
GE 600	72.2	80.7	83.6	85.8	88.1	88.1	88.4	89.9	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.3
GE 500	72.3	81.0	84.1	86.4	88.9	89.2	90.0	90.8	90.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.6
GE 400	72.3	81.3	84.8	87.1	89.9	90.2	91.2	92.2	92.2	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	94.3
GE 300	72.3	81.3	84.9	87.7	90.4	91.2	92.2	93.4	93.6	94.6	94.6	95.1	95.1	95.4	95.4	95.6	95.6	95.9
GE 200	72.3	81.3	84.9	87.7	90.6	91.3	92.6	93.8	94.0	95.7	95.7	96.2	96.2	97.1	97.1	97.2	97.2	97.6
GE 100	72.3	81.3	84.9	87.7	90.6	91.3	92.6	93.8	94.0	95.8	95.8	97.0	97.0	98.2	98.4	98.8	99.4	99.4
GE	81	72.3	81.3	84.9	87.7	90.6	91.3	92.6	93.8	94.3	95.3	97.0	97.0	98.3	98.6	98.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS/STATION: 0600-0600

CEILING	VISIBILITY IN STATUTE MILES																	
	IN	1	FE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	1	2	6	5	4	3	2	1 1/2	2	1 1/2	1	1 1/4	1	1 1/4	1	1 1/2	1	1 1/4
NO CEIL	40.9	42.7	42.9	43.0	43.7	43.8	43.9	43.9	43.9	43.9	44.0	44.0	44.1	44.2	44.3	44.4	44.4	44.4
GE 20000	44.2	46.3	46.6	46.7	47.3	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.8	47.9	48.0	48.1	48.2	48.2
GE 18000	44.8	46.9	47.1	47.2	47.9	48.0	48.1	48.1	48.2	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	48.9
GE 16000	44.8	46.9	47.1	47.2	47.9	48.0	48.1	48.1	48.2	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	48.9
GE 14000	45.2	47.3	47.6	47.7	48.3	48.4	48.6	48.6	48.6	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.2	49.2
GE 12000	46.4	48.7	48.9	49.0	49.7	49.8	49.9	49.9	49.9	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.5	50.5
GE 10000	50.8	53.0	53.2	53.3	54.1	54.3	54.4	54.4	54.4	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.1
GE 9000	51.6	53.8	54.0	54.1	54.9	55.1	55.2	55.2	55.2	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	55.9
GE 8000	52.6	54.9	55.1	55.2	56.0	56.2	56.3	56.3	56.3	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.0
GE 7000	54.4	57.0	57.2	57.3	58.1	58.3	58.4	58.4	58.4	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.1
GE 6000	55.0	57.7	57.9	58.0	58.8	59.0	59.1	59.1	59.1	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.8
GE 5000	55.4	58.1	58.3	58.4	59.2	59.4	59.7	59.7	59.7	59.7	60.0	60.1	60.2	60.4	60.7	60.9	61.1	61.1
GE 4000	56.8	59.4	59.8	59.9	60.7	60.9	61.1	61.1	61.1	61.1	61.4	61.4	61.6	61.7	61.9	62.1	62.1	62.1
GE 3000	58.0	61.3	61.4	61.6	62.6	62.6	63.5	63.5	63.5	63.5	63.7	63.7	63.8	63.9	64.1	64.3	64.5	64.5
GE 2000	59.7	61.7	62.1	62.2	63.0	63.4	63.7	63.7	63.7	63.7	64.1	64.1	64.2	64.3	64.4	64.6	64.8	64.8
GE 1000	60.1	63.2	63.7	63.6	64.8	65.0	65.7	65.7	65.7	65.7	65.9	65.9	65.9	66.0	66.1	66.3	66.5	66.5
GE 2500	62.6	66.2	67.1	67.3	68.4	69.3	69.9	69.9	69.9	69.9	70.4	70.4	70.5	70.6	70.7	70.8	70.9	70.9
GE 2000	64.7	68.8	69.9	70.4	71.8	72.2	72.7	72.7	72.7	72.7	73.3	73.4	73.5	73.6	73.6	74.0	74.0	74.0
GE 1500	65.7	69.7	70.8	71.1	72.7	73.1	73.6	73.6	73.6	73.6	74.2	74.2	74.3	74.4	74.5	74.6	75.1	75.1
GE 1000	67.4	72.6	74.3	74.7	76.3	76.8	77.3	77.3	77.3	77.3	78.1	78.1	78.2	78.3	78.4	78.5	78.6	78.6
GE 1200	69.3	75.4	77.0	77.4	79.2	79.7	80.1	80.1	80.1	80.1	81.2	81.2	81.3	81.4	81.5	82.0	82.0	82.0
GE 1000	70.2	76.8	78.6	79.0	81.1	81.6	82.2	82.2	82.2	82.2	83.7	83.7	83.8	84.0	84.2	84.4	84.7	84.7
GE 900	70.7	77.3	79.1	79.7	82.0	82.4	83.1	83.1	83.1	83.1	84.7	84.7	84.7	84.8	85.0	85.2	85.4	85.7
GE 800	70.9	77.9	79.7	80.3	82.8	83.3	84.3	84.3	84.3	84.3	85.6	85.6	85.6	86.0	86.3	86.6	87.0	87.0
GE 700	71.2	76.4	80.2	81.1	83.6	84.1	85.3	85.3	85.3	85.3	86.7	86.7	87.2	87.3	87.6	87.8	88.0	88.2
GE 600	71.8	79.6	81.0	82.0	85.1	85.7	86.9	86.9	86.9	86.9	88.3	88.3	88.3	88.9	89.1	89.3	89.6	89.8
GE 500	72.0	80.6	82.0	83.9	86.8	87.3	88.6	88.6	88.6	88.6	90.2	90.2	90.2	90.9	91.0	91.2	91.7	91.7
GE 400	72.1	81.0	82.3	85.0	88.0	89.1	90.7	90.7	90.7	90.7	92.3	92.3	92.3	93.3	93.4	93.7	93.9	94.3
GE 300	72.1	81.0	83.3	85.0	89.7	89.8	91.4	91.4	91.4	91.4	93.1	93.1	93.1	94.3	94.7	95.0	95.2	95.7
GE 200	72.1	81.0	83.3	85.0	89.8	90.0	91.6	91.6	91.6	91.6	93.8	94.1	94.1	95.5	95.8	96.6	97.2	97.6
GE 100	72.1	81.0	83.3	85.0	89.8	90.0	91.9	91.9	91.9	91.9	94.1	94.1	94.4	96.0	96.1	97.2	98.4	98.6
CE	31	72.1	81.0	83.3	85.0	89.8	90.0	91.9	91.9	91.9	94.1	94.4	94.4	96.1	96.1	97.2	97.7	98.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NO CEIL	47.3	43.6	43.6	43.7	43.9	44.0	44.3	44.3	44.3	44.4	44.7	45.1	45.1	45.1	45.1	45.1
CE 20001	44.1	47.4	47.4	48.0	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
CE 16001	44.3	47.7	48.2	48.3	48.6	48.7	49.0	49.0	49.2	49.1	49.2	49.0	49.0	49.0	49.0	49.0
CE 16001	44.3	47.7	48.2	48.3	48.6	48.7	49.0	49.0	49.3	49.1	49.7	49.8	49.8	49.8	49.8	49.8
CE 14001	45.0	49.1	49.7	49.8	50.0	50.1	50.4	50.4	50.6	50.6	51.1	51.0	51.2	51.2	51.2	51.2
CE 12001	46.3	49.7	50.2	50.3	50.6	50.7	51.0	51.0	51.3	51.1	51.8	51.8	51.9	51.9	51.9	51.9
CE 10001	50.1	53.6	54.2	54.4	54.7	54.8	55.1	55.1	55.1	55.2	55.6	55.6	55.9	55.9	56.0	56.0
CE 9001	51.0	54.4	55.1	55.3	55.6	55.7	56.0	56.0	56.0	56.2	56.6	56.6	57.0	57.0	57.0	57.0
CE 8001	52.4	55.9	56.6	56.9	57.1	57.2	57.6	57.6	57.6	57.9	58.6	58.7	58.7	58.7	58.7	58.7
CE 7001	53.6	57.2	57.9	58.3	58.6	58.7	59.0	59.0	59.1	59.3	60.1	60.1	60.1	60.1	60.1	60.1
CE 6001	54.1	57.9	59.0	59.2	59.3	59.8	59.8	59.8	59.8	60.1	60.9	60.9	60.9	60.9	60.9	60.9
CE 5001	58.4	58.2	58.9	59.3	59.6	59.7	60.3	60.3	60.3	60.7	61.3	61.6	61.6	61.6	61.6	61.6
CE 45001	57.2	59.2	59.9	60.3	60.6	61.7	61.3	61.3	61.3	61.7	62.3	62.4	62.4	62.4	62.4	62.4
CE 40001	56.1	60.3	61.1	61.7	61.9	62.0	62.7	62.7	62.7	63.0	63.7	63.8	63.8	63.8	63.8	63.8
CE 35001	57.9	61.7	62.9	63.3	63.2	63.5	64.0	64.0	64.0	64.3	65.1	65.1	65.1	65.1	65.1	65.1
CE 30001	59.7	63.6	64.3	64.9	65.1	65.2	65.9	65.9	65.9	66.2	66.9	67.0	67.0	67.0	67.0	67.0
CE 25001	61.7	66.1	66.9	67.4	67.7	67.9	68.6	68.7	68.7	69.1	69.8	69.9	69.9	69.9	69.9	69.9
CE 20001	64.2	69.0	69.9	70.6	70.8	71.1	71.8	72.1	72.1	72.4	72.7	72.7	73.4	73.4	73.4	73.4
CE 16001	64.1	69.9	70.9	71.6	72.0	72.3	73.0	73.7	73.7	73.8	74.4	74.6	74.7	74.7	74.7	74.7
CE 15001	67.9	73.7	75.0	76.1	76.7	77.1	77.9	78.3	78.3	78.5	79.4	79.6	79.7	79.7	79.7	79.7
CE 10001	70.2	77.6	79.0	80.1	80.7	P1.1	81.0	82.4	82.4	82.9	87.6	87.7	87.9	87.9	87.9	87.9
CE 10001	73.7	78.1	79.8	80.9	81.6	82.3	83.7	84.0	84.7	84.4	85.2	85.3	85.4	85.4	85.4	85.4
CE 60001	70.6	78.6	80.2	81.3	82.7	82.8	87.9	84.7	84.7	85.2	85.7	86.1	85.2	86.2	86.2	86.2
CE 50001	71.5	79.4	81.1	82.2	83.0	83.6	85.0	85.4	85.4	86.7	87.6	87.7	87.9	87.9	87.9	87.9
CE 70001	71.3	81.1	82.0	82.6	83.1	84.0	84.6	86.1	87.0	87.2	88.1	89.1	89.4	89.4	89.6	89.6
CE 60001	71.3	81.1	82.0	84.3	85.4	86.2	87.6	88.4	88.4	89.9	91.0	91.2	91.2	91.3	91.3	91.3
CE 50001	72.0	81.6	81.3	84.8	86.2	87.7	89.6	90.6	90.6	92.3	97.6	93.7	93.9	93.9	94.0	94.0
CE 40001	72.0	81.6	83.4	85.1	86.4	86.4	90.0	92.3	92.7	94.3	96.7	96.1	96.2	96.3	96.3	96.3
CE 30001	72.0	81.6	83.4	85.1	86.7	86.4	91.4	93.1	93.4	95.3	96.8	97.1	97.3	97.6	97.6	97.6
CE 20001	72.0	81.6	83.4	85.0	86.7	86.4	91.4	93.4	93.4	95.0	96.1	96.1	96.7	96.7	96.7	96.7
CE 10001	72.0	81.6	83.4	85.0	86.7	86.4	91.4	93.4	93.4	95.0	96.3	96.3	97.1	97.1	97.1	97.1
CE 00001	72.0	81.6	83.4	85.0	86.7	86.4	91.4	93.4	93.4	95.0	96.3	96.3	97.1	97.1	97.1	97.1
TOTAL NUMBER OF OBSERVATIONS:	900															

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOLLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 10 6	GE S	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEST	41.8	45.3	43.6	43.7	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 20000	47.6	49.6	49.6	50.4	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 18000	47.7	49.8	50.0	50.1	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 16000	47.8	49.9	50.1	50.2	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 14000	48.8	50.9	51.1	51.2	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 12000	50.0	52.2	52.4	52.6	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 10000	54.6	57.1	57.3	57.4	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 9000	55.3	57.9	58.1	58.2	58.8	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 8000	56.8	59.4	59.7	59.8	60.3	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 7000	57.4	60.2	60.4	60.6	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 6000	57.8	60.6	60.9	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 5000	58.2	61.2	61.6	61.7	62.2	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 4000	58.7	61.7	62.0	62.1	62.7	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 3000	59.3	62.4	62.8	62.9	63.4	63.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 2000	60.2	63.3	63.7	63.8	64.3	64.3	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 1000	62.3	65.7	66.1	66.2	66.9	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 2500	65.7	69.2	69.7	69.9	70.6	70.6	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 2000	63.9	72.7	73.1	73.3	74.0	74.0	74.4	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 1800	72.1	74.3	74.8	75.1	75.8	75.8	76.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 1500	73.7	78.9	79.4	79.8	80.6	80.6	81.2	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 1200	79.9	81.7	82.2	82.7	83.7	83.7	84.6	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1000	77.4	83.8	84.4	84.9	85.0	86.4	87.2	88.2	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0
GE 900	79.1	85.0	86.0	86.7	87.8	88.2	89.0	90.2	90.6	91.0	91.1	91.1	91.1	91.1	91.1	91.1
GE 800	76.6	85.9	87.0	87.7	89.0	89.6	90.3	91.6	91.9	92.4	92.6	92.6	92.6	92.6	92.6	92.6
GE 700	76.6	86.4	87.8	88.8	90.1	90.7	91.6	92.8	93.1	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 600	74.6	86.6	88.3	89.6	91.0	91.9	93.1	94.3	94.7	95.2	95.6	95.6	95.6	95.6	95.6	95.6
GE 500	78.6	96.6	88.3	89.7	91.1	92.4	93.8	95.0	95.3	96.0	96.3	96.4	96.4	96.4	96.4	96.4
GE 400	70.6	96.7	88.4	89.8	91.2	92.7	94.2	95.7	96.0	96.6	97.5	97.5	97.5	97.5	97.5	97.5
GE 300	78.6	86.7	88.4	89.8	91.2	92.7	94.2	95.8	96.2	97.0	97.8	97.8	97.8	97.8	97.8	97.8
GE 200	74.6	96.7	88.4	89.6	91.2	92.7	94.2	95.9	96.3	97.6	98.1	98.1	98.1	98.1	98.1	98.1
GE 100	79.6	86.7	88.4	89.6	91.2	92.7	94.2	95.9	96.3	97.6	98.1	98.1	98.1	98.1	98.1	98.1
GE 0	78.6	96.7	88.4	89.8	91.2	92.7	94.2	95.9	96.3	97.6	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 606

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 70753J STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-84  
MONTH: NOV HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GL 6	GE 5	GE 4	GE 3	CE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	PE 3/4	GL 5/8	GE 1/2	GE 5/16	PE 1/4	CE 3	
	1	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
NO CEIL	41.8	41.9	42.1	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 20000	47.8	49.1	49.2	49.4	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	48.0	49.3	49.4	49.7	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 16000	48.0	49.3	49.4	49.7	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 14000	48.0	50.1	50.2	50.4	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 12000	50.2	51.7	51.9	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 10000	52.4	54.3	54.4	54.7	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 9000	53.2	55.1	55.2	55.4	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 8000	54.0	56.9	57.0	57.2	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 7000	56.1	58.3	58.4	58.7	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 6000	57.0	59.6	59.7	59.9	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 5000	59.6	61.6	61.8	62.1	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 4000	59.8	62.8	63.0	63.4	63.9	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 3000	60.7	63.9	64.1	64.7	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3500	61.3	64.7	64.9	65.4	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 3700	64.4	67.4	68.0	68.6	69.1	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 2500	71.1	71.3	72.0	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 2700	72.6	75.0	75.2	76.1	76.7	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1800	71.7	76.0	76.3	77.1	77.7	77.9	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 1900	74.7	80.6	82.4	82.9	83.1	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1200	77.7	84.2	85.0	86.0	86.8	87.1	87.4	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	78.7	86.4	87.0	87.7	88.7	89.1	89.4	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 900	78.6	87.1	88.0	89.3	90.1	90.4	91.0	92.1	92.1	92.3	92.4	92.4	92.6	92.7	92.7	92.7
GE 800	78.8	87.3	89.2	89.8	90.9	91.3	91.9	93.1	93.2	93.8	94.2	94.2	94.3	94.3	94.4	94.4
GE 700	78.9	97.7	88.7	90.2	91.3	91.3	92.7	93.4	94.0	94.6	94.6	95.1	95.2	95.3	95.4	95.4
GE 600	78.6	97.7	88.9	90.6	91.9	92.6	93.7	94.9	95.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8
GE 500	78.9	97.9	89.1	89.3	91.1	92.4	93.4	94.7	96.0	96.1	96.9	97.9	97.9	98.3	98.7	99.3
GE 400	78.0	88.1	89.3	91.1	92.4	93.4	94.7	96.0	96.1	96.9	97.9	97.9	98.3	98.7	99.3	99.3
GE 300	78.9	98.1	89.3	91.1	92.4	93.4	94.7	96.0	96.1	96.9	97.9	97.9	98.3	98.7	99.3	99.3
GE 200	78.9	98.1	89.3	91.1	92.4	93.4	94.7	96.0	96.1	96.9	97.9	97.9	98.3	98.7	99.3	99.3
GE 100	78.9	98.1	89.3	91.1	92.4	93.4	94.7	96.0	96.1	96.9	97.9	97.9	98.3	98.7	99.3	99.3
GE 0	78.9	98.1	89.3	91.1	92.4	93.4	94.7	96.0	96.1	96.9	97.9	97.9	98.3	98.7	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS(LST): 1800-2000

CEILING FEET	VISIBILITY IN STATUTE MILES																
	IN	GE 1	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 5/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	41.6	43.0	43.0	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3
CE 20000	45.3	46.9	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000	45.3	46.9	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
CE 16000	45.3	46.9	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 14000	45.7	47.2	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 12000	46.7	48.2	48.3	48.3	48.4	48.4	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7
CE 10000	51.2	53.1	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 9000	52.2	54.1	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6
CE 8000	54.4	56.4	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 7000	56.7	59.0	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 6000	57.2	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
CE 5000	59.3	62.7	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4500	61.2	64.6	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
CE 4000	62.4	65.9	66.1	66.2	66.3	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 3500	63.6	67.0	67.3	67.4	67.7	67.8	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 3000	65.9	69.2	69.4	69.7	70.0	70.1	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
CE 2500	68.0	72.1	72.6	72.9	73.0	73.0	73.2	73.2	73.3	73.3	77.3	73.5	73.5	73.5	73.5	73.5	73.5
GE 2000	71.6	76.6	77.0	77.1	77.6	78.1	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
CE 1800	72.0	78.1	78.7	78.8	79.3	79.6	79.9	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 1500	74.9	81.1	81.6	81.9	82.6	82.8	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1200	77.2	84.6	85.3	85.6	86.4	86.7	87.3	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
CE 1000	78.1	85.7	86.6	86.9	88.0	88.2	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 900	79.2	87.2	88.1	88.6	89.8	90.0	91.1	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
CE 800	79.4	87.9	89.2	89.9	91.2	91.4	92.6	92.7	92.7	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3
GE 700	79.4	88.6	89.9	90.6	91.9	92.1	93.2	93.3	93.3	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 600	80.1	90.1	91.7	92.3	93.8	94.0	95.1	95.2	95.2	95.6	96.0	96.0	96.1	96.1	96.1	96.1	96.1
CE 500	80.1	90.2	91.9	92.6	94.2	94.4	95.6	95.8	95.8	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9
GE 400	80.1	90.3	92.0	92.4	94.3	94.6	95.8	96.0	96.0	96.6	97.3	97.3	97.4	97.4	97.4	97.4	97.4
CE 300	80.1	90.3	92.0	92.3	94.8	95.0	96.2	96.6	96.6	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 200	80.1	90.3	92.0	92.3	94.8	95.0	96.2	96.7	96.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 100	80.1	90.3	92.0	93.4	94.8	95.0	96.3	96.7	96.7	98.7	98.7	98.7	99.1	99.1	99.1	99.1	99.1
CE 0	80.1	90.3	92.0	93.2	94.8	95.0	96.3	96.7	96.7	98.0	98.0	98.7	98.7	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 600

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753G STATION NAME: HECTOR FLD FARGO ND												PERIOD OF RECORD: 77-86 MONTH: NOV HOURS(LST): 21UC-230C									
CEILING IN FEET												VISIBILITY IN STATUTE MILES									
	I	F	CL	GE	GE	GE	GE	GL	GE	GE	GE										
ND CEIL	I	42.0	41.6	41.7	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.4	42.4	42.4	42.4	42.4	42.4
GE 1000FT	I	42.0	44.7	44.8	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.7	45.7	45.7	45.7	45.7	45.7
GE 1400FT	I	47.0	-	44.8	44.9	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.8	45.8	45.8	45.8	45.8	45.8
GE 1600FT	I	47.0	44.0	44.5	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.8	45.8	45.8	45.8	45.8	45.8
GE 1400FT	I	47.0	45.4	45.6	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.4	46.4	46.4	46.4	46.4	46.4
GE 1200FT	I	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	48.2	48.2	48.2	48.2	48.2	48.2
F 1000FT	I	-	-	52.4	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.4	53.4	53.4	53.4	53.4	53.4
ME 900FT	I	-	-	53.3	53.6	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.6	54.6	54.6	54.6	54.6	54.6
ME 800FT	I	-	-	56.4	55.7	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.7	56.7	56.7	56.7	56.7	56.7
ME 700FT	I	-	-	57.7	57.9	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.9	58.9	58.9	58.9	58.9	58.9
ME 600FT	I	-	-	59.6	59.8	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.8	60.8	60.8	60.8	60.8	60.8
ME 500FT	I	-	-	61.1	61.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.2	62.2	62.2	62.2	62.2	62.2
ME 400FT	I	-	-	61.4	61.8	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	63.1	63.1	63.1	63.1	63.1	63.1
ME 300FT	I	-	-	62.0	62.1	63.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.6	64.6	64.6	64.6	64.6	64.6
ME 200FT	I	-	-	64.2	64.7	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.4	66.4	66.4	66.4	66.4	66.4
ME 100FT	I	-	-	69.4	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.2	70.2	70.2	70.2	70.2	70.2
F 1000FT	I	-	-	71.1	71.7	72.4	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	
ME 900FT	I	-	-	76.6	76.1	77.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	78.1	78.1	78.1	78.1	78.1	78.1
ME 800FT	I	-	-	77.4	77.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
ME 700FT	I	-	-	79.4	79.4	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	82.3	82.3	82.3	82.3	82.3	82.3
ME 600FT	I	-	-	81.8	82.1	82.7	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.7	85.7	85.7	85.7	85.7	85.7
ME 500FT	I	-	-	84.1	84.4	85.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	88.1	88.1	88.1	88.1	88.1	88.1
ME 400FT	I	-	-	84.4	85.9	87.1	87.9	88.3	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.9	89.9	89.9	89.9	89.9	89.9
ME 300FT	I	-	-	87.0	87.4	87.7	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.6	89.6	89.6	89.6	89.6	89.6
ME 200FT	I	-	-	87.4	87.4	87.7	88.1	88.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.7	89.7	89.7	89.7	89.7	89.7
ME 100FT	I	-	-	87.7	87.7	87.7	88.0	88.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7
ME 50FT	I	-	-	89.2	89.2	89.2	90.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	94.6	94.6	94.6	94.6	94.6	94.6
ME 25FT	I	-	-	91.7	91.7	92.0	93.1	93.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	97.3	97.3	97.3	97.3	97.3	97.3
ME 10FT	I	-	-	92.0	92.0	92.0	92.0	92.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	97.3	97.3	97.3	97.3	97.3	97.3
ME 5FT	I	-	-	92.7	92.7	92.7	92.7	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	97.3	97.3	97.3	97.3	97.3	97.3
ME 2FT	I	-	-	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	97.3	97.3	97.3	97.3	97.3	97.3
ME 1FT	I	-	-	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.5FT	I	-	-	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.25FT	I	-	-	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.125FT	I	-	-	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.0625FT	I	-	-	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.03125FT	I	-	-	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.015625FT	I	-	-	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.0078125FT	I	-	-	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.00390625FT	I	-	-	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.001953125FT	I	-	-	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.0009765625FT	I	-	-	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.00048828125FT	I	-	-	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.000244140625FT	I	-	-	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.0001220703125FT	I	-	-	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.00006103515625FT	I	-	-	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.000030517578125FT	I	-	-	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.0000152587890625FT	I	-	-	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.00000762939453125FT	I	-	-	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.000003814692265625FT	I	-	-	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.0000019072861328125FT	I	-	-	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.00000095364306640625FT	I	-	-	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.000000476821533203125FT	I	-	-	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.0000002384107666015625FT	I	-	-	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.00000012020538330078125FT	I	-	-	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.000000060102691650390625FT	I	-	-	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.0000000300513458251953125FT	I	-	-	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	97.3	97.3	97.3	97.3	97.3	97.3
ME 0.00000001502567291259765625FT	I	-	-	99.9	99.9																

TOTAL NUMBER OF OBSERVATIONS: 200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV FOURSE(S): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1 10	2 6	3 5	4 4	5 3	6 2	7 1/2	8 1/4	9 1/4	10 1/4	11 7/4	12 5/8	13 1/2	14 5/16	15 1/4	16 0
NO CEIL	47.6	42.3	42.6	42.6	43.1	43.1	43.3	43.3	43.3	43.4	47.5	43.5	43.6	43.6	43.6	43.8
GE 2000	44.6	46.5	46.8	47.0	47.3	47.4	47.5	47.6	47.6	47.7	47.8	47.9	47.9	47.9	47.9	48.0
GE 1800	44.8	46.8	47.0	47.2	47.6	47.6	47.8	47.8	47.8	47.9	48.0	48.0	48.1	48.1	48.1	48.3
GE 1600	44.8	46.8	47.1	47.2	47.6	47.6	47.8	47.8	47.8	47.9	48.0	48.0	48.1	48.1	48.1	48.3
GE 1400	45.4	47.4	47.7	47.9	48.3	48.3	48.4	48.5	48.5	49.6	49.7	49.7	49.8	49.8	49.8	49.9
GE 1200	46.6	48.6	48.9	49.1	49.5	49.7	49.7	49.7	49.7	49.8	49.9	49.9	50.0	50.1	50.1	50.2
GE 1000	50.9	53.2	53.5	53.7	54.1	54.1	54.3	54.3	54.3	54.4	54.6	54.6	54.6	54.7	54.7	54.8
GE 900	51.8	54.0	54.3	54.5	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.5	55.6	55.6	55.7	55.7
GE 800	53.3	55.6	56.0	56.2	56.6	56.6	56.8	56.8	56.8	57.0	57.1	57.2	57.2	57.3	57.3	57.4
GE 700	55.1	57.6	57.9	58.1	58.5	58.5	58.7	58.8	58.8	59.0	59.1	59.2	59.2	59.2	59.3	59.3
GE 600	55.9	58.6	59.0	59.2	59.6	59.6	59.8	59.9	59.9	60.0	60.2	60.3	60.3	60.3	60.4	60.4
GE 500	56.8	59.8	60.2	60.4	60.8	60.9	61.1	61.2	61.2	61.4	61.5	61.5	61.6	61.7	61.7	61.8
GE 450	57.8	60.8	61.2	61.5	61.9	62.0	62.2	62.3	62.3	62.5	62.6	62.6	62.7	62.7	62.7	62.8
GE 400	58.8	61.9	62.4	62.8	63.2	63.3	63.5	63.6	63.6	63.8	63.9	64.0	64.0	64.0	64.1	64.2
GE 350	59.8	63.0	63.5	63.9	64.4	64.5	64.7	64.8	64.8	65.0	65.1	65.1	65.2	65.2	65.3	65.4
GE 300	67.4	65.8	66.3	66.7	67.3	67.3	67.6	67.7	67.7	67.8	68.0	68.0	68.1	68.1	68.1	68.3
GE 250	65.3	69.1	69.8	70.3	70.9	71.0	71.3	71.3	71.4	71.6	71.7	71.7	71.8	71.8	71.8	72.0
GE 200	68.4	72.6	73.9	74.1	74.8	75.0	75.4	75.5	75.5	75.8	75.9	76.0	76.0	76.1	76.1	76.2
GE 150	69.3	74.0	74.6	75.4	76.2	76.4	76.9	77.0	77.1	77.3	77.4	77.5	77.5	77.6	77.7	77.7
GE 100	71.7	77.2	78.2	78.9	79.9	80.1	80.6	80.6	80.9	81.2	81.3	81.3	81.4	81.4	81.5	81.6
GE 1200	73.9	80.3	81.5	82.3	83.4	83.7	84.2	84.6	84.7	85.0	85.1	85.2	85.3	85.3	85.4	85.4
GE 1000	74.8	81.7	83.0	84.0	85.2	85.6	86.3	86.9	87.1	87.3	87.4	87.5	87.6	87.6	87.7	87.8
GE 900	75.2	82.6	84.0	85.1	86.5	86.9	87.7	88.3	88.4	88.7	89.0	89.1	89.2	89.2	89.3	89.3
GE 800	75.6	83.3	84.8	86.0	87.5	87.9	88.8	89.1	89.7	90.2	90.5	90.5	90.6	90.7	90.7	90.8
GE 700	75.8	83.8	85.5	86.7	88.2	88.7	89.7	90.5	90.7	91.2	91.4	91.5	91.6	91.7	91.7	91.8
GE 600	76.0	84.6	86.5	87.9	89.5	90.1	91.2	92.0	92.2	92.8	93.2	93.3	93.4	93.5	93.5	93.6
GE 500	76.1	85.0	86.9	88.5	90.2	90.9	92.2	93.1	93.3	94.0	94.5	94.7	94.8	94.8	94.9	95.1
GE 400	76.1	85.2	87.1	88.9	90.7	91.5	93.1	94.2	94.3	95.3	95.9	96.2	96.3	96.4	96.6	96.6
GE 300	76.1	85.2	87.2	89.1	91.0	92.1	93.7	94.9	95.1	96.1	96.8	97.1	97.2	97.4	97.6	97.6
GE 200	76.1	85.2	87.2	89.1	91.1	92.1	93.6	93.8	95.2	95.5	96.8	97.6	98.2	98.3	98.5	98.6
GE 100	76.1	85.2	87.2	89.1	91.1	92.1	93.8	95.2	95.5	96.8	97.8	98.6	98.8	99.1	99.4	99.6
GE 0	76.1	85.2	87.2	89.1	91.1	92.1	93.8	95.2	95.5	96.8	97.8	98.6	98.8	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: FECTOR FLG FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0000C-0200C

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GL 1/4	GE 0		
NO CEIL	43.2	45.1	45.5	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	47.0		
GE 20000	44.5	46.3	46.8	47.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.6	47.8	48.3	
GE 18000	44.7	46.6	47.0	47.3	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.8	47.8	48.1	48.5
GE 16000	44.7	46.6	47.0	47.3	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.8	47.8	48.1	48.5
GE 14000	45.2	47.0	47.4	47.7	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	49.3	48.3	48.5	48.9
GE 12000	46.7	48.7	49.1	49.5	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.0	50.0	50.2	50.6	51.0
GE 10000	49.4	51.8	52.3	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	53.1	53.1	53.3	53.5	53.9
GE 9000	50.2	53.0	53.4	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.3	54.3	54.5	54.9	54.9
GE 8000	51.8	54.7	55.2	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	56.7	56.7	56.0	56.2	56.7
GE 7000	53.7	56.6	57.0	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.8	57.8	58.1	58.5	58.5
GE 6000	55.3	58.4	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.8	59.8	60.0	60.4	60.4
GE 5000	58.1	61.3	61.9	62.3	62.6	62.6	62.7	62.6	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.3	63.5	63.8
GE 4500	59.5	62.9	63.5	63.9	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.7	64.7	64.9	65.4	65.4
GE 4000	60.6	64.4	65.1	65.5	65.8	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.6	67.0	67.0
GE 3500	61.6	65.5	66.1	66.6	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.4	67.4	67.6	68.1	68.1
GE 3000	64.2	68.9	69.6	70.1	70.5	70.5	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.3	71.3	71.5	71.9	71.9
GE 2500	67.4	72.5	73.3	74.1	74.6	74.6	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.5	75.5	75.7	76.1	76.1
GE 2000	69.1	74.6	75.6	77.0	78.0	78.1	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.9	78.9	79.1	79.6	79.6
GE 1800	69.7	75.4	76.5	78.0	79.0	79.1	79.2	79.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.2	80.6	80.6
GE 1500	71.2	77.0	78.3	79.5	81.1	81.2	81.3	81.7	81.7	81.7	81.7	81.7	81.7	82.0	82.0	82.3	82.7	82.7
GE 1200	72.2	78.4	80.0	81.0	83.0	83.2	83.4	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2	84.4	84.8	84.8
GE 1000	77.6	79.1	80.9	82.9	84.3	84.5	85.1	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.2	86.7	86.7
GE 900	72.7	79.8	81.5	83.5	84.9	85.2	85.7	86.6	86.6	86.7	86.7	86.8	86.8	87.1	87.1	87.3	87.8	87.8
GE 800	73.0	80.4	82.2	84.5	86.0	86.2	86.9	87.6	87.6	87.7	87.8	87.8	88.3	88.3	88.5	88.5	89.0	89.0
GE 700	73.5	81.8	83.7	86.0	87.7	88.0	88.5	89.4	89.4	89.5	89.5	89.6	89.6	90.0	90.0	90.2	90.8	90.8
GE 600	74.1	92.8	84.8	87.2	88.9	89.1	89.7	90.5	90.5	90.6	90.6	90.6	90.6	91.2	91.3	91.8	92.4	92.4
GE 500	74.2	83.0	85.3	87.8	89.6	90.0	90.6	91.5	91.6	92.5	92.8	93.3	93.4	94.0	94.0	94.5	94.5	94.5
GE 400	74.3	83.2	85.5	88.1	89.9	90.5	91.4	92.3	92.4	93.2	93.7	93.7	94.4	94.5	95.1	95.6	95.6	95.6
GE 300	74.3	83.2	85.5	88.3	90.1	90.8	91.7	92.7	92.9	93.8	94.2	94.2	95.1	95.3	95.8	96.3	96.3	96.3
GE 200	74.3	83.2	85.5	88.3	90.1	90.8	91.7	93.0	93.1	94.5	95.2	95.4	96.8	97.1	97.6	98.2	98.2	98.2
GE 100	74.3	83.2	85.5	88.3	90.1	90.8	91.7	93.0	93.2	94.6	95.5	95.9	97.5	97.8	99.0	99.6	99.6	99.6
GE 0	74.3	83.2	85.5	88.3	90.1	90.8	91.7	93.0	93.2	94.6	95.5	95.9	97.6	98.0	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFELTAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0700-0500

CEILING	VISIBILITY IN STATUTE MILES																
	IN	CE	GE	GE	GF	GE	GE	GT	GE	GE	GE	GI	GE	GE	GE	GE	
FEET	1	1/2	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	1/16	1/4
NO CEIL	41.3	43.2	43.4	43.8	44.1	44.1	44.3	44.4	44.4	44.6	44.6	44.6	44.7	44.7	45.1	45.5	
GE 20000	42.4	44.5	44.7	45.1	45.4	45.4	45.7	45.8	45.8	46.0	46.0	46.1	46.1	46.1	46.5	46.9	
GE 18000	43.1	45.3	45.5	45.8	46.1	46.1	46.5	46.6	46.6	46.8	46.8	46.9	46.9	46.9	47.2	47.6	
GE 16000	47.1	45.3	45.5	45.8	46.1	46.1	46.5	46.6	46.6	46.8	46.8	46.9	46.9	46.9	47.2	47.6	
GE 14000	43.7	45.8	46.0	46.3	46.7	46.7	47.0	47.1	47.1	47.3	47.3	47.3	47.3	47.4	47.7	48.1	
GE 12000	44.2	46.3	46.6	46.9	47.2	47.2	47.5	47.6	47.6	47.8	47.8	47.8	47.8	47.8	48.3	48.7	
GE 10000	46.2	49.0	49.2	49.7	50.0	50.0	50.3	50.4	50.4	50.6	50.6	50.9	50.9	51.1	51.1	51.5	
GE 9000	47.7	50.6	51.2	51.5	51.9	51.9	52.3	52.4	52.4	52.6	52.6	52.7	52.7	53.0	53.4	53.8	
GE 8000	50.0	52.0	52.5	53.1	53.5	53.5	53.9	54.0	54.0	54.2	54.2	54.3	54.3	54.6	54.6	54.9	
GE 7000	50.9	54.2	54.6	55.3	55.9	55.8	56.1	56.2	56.2	56.5	56.5	56.6	56.6	56.9	57.3	57.7	
GE 6000	51.6	54.9	55.4	56.0	56.6	56.6	56.9	57.0	57.2	57.2	57.3	57.3	57.6	57.6	58.1	58.5	
GE 5000	54.9	58.5	58.9	59.7	60.2	60.2	60.6	60.6	60.6	61.0	61.0	61.0	61.1	61.1	61.4	61.9	
GE 4500	55.8	59.4	59.5	60.5	61.2	61.2	61.6	61.7	61.7	61.9	61.9	62.0	62.0	62.4	62.6	62.8	
GE 4000	57.1	61.6	62.0	62.9	63.5	63.5	64.0	64.1	64.1	64.3	64.3	64.3	64.4	64.4	64.7	65.2	
GE 3500	58.5	63.1	63.5	64.4	65.1	65.1	65.5	65.6	65.6	65.8	65.8	65.9	65.9	66.2	66.7	67.1	
GE 3000	67.0	65.1	65.5	66.3	67.1	67.1	67.5	67.6	67.6	67.8	67.8	68.0	68.0	68.3	68.7	69.1	
GE 2500	63.7	68.9	69.6	70.9	71.7	71.7	72.3	72.4	72.4	72.6	72.6	72.7	72.7	73.0	73.4	73.8	
GE 2000	73.4	71.2	72.7	74.1	74.1	74.7	74.8	75.1	75.1	75.2	75.2	75.5	75.5	75.9	76.3	76.7	
GE 1800	66.9	72.7	73.5	75.2	76.6	76.6	77.2	77.3	77.3	77.5	77.5	77.6	77.6	78.0	78.4	78.8	
GE 1500	68.3	74.8	75.7	77.4	78.8	78.8	79.5	79.6	79.6	79.8	79.8	79.9	79.9	80.2	80.6	81.0	
GE 1200	69.2	76.1	77.1	79.0	80.5	80.8	81.7	81.9	81.9	82.2	82.2	82.3	82.3	82.6	83.0	83.4	
GE 1000	72.4	77.8	78.8	80.0	82.3	82.5	83.5	83.9	83.9	84.1	84.1	84.2	84.2	84.5	84.9	85.3	
GE 900	72.8	79.6	79.6	81.5	83.0	83.2	84.4	84.8	84.8	85.2	85.2	85.3	85.3	85.6	86.0	86.4	
GE 800	73.9	79.0	80.1	82.0	83.7	84.0	85.2	85.6	85.7	86.0	86.0	86.1	86.1	86.5	86.9	87.3	
GE 700	71.2	83.2	81.3	83.2	84.9	85.3	86.6	87.0	87.1	87.4	87.4	87.5	87.5	87.8	88.3	88.7	
GE 600	71.9	82.0	83.4	85.7	87.5	88.1	89.4	89.9	90.0	90.4	90.4	90.5	90.6	91.0	91.4	91.9	
GE 500	72.7	82.5	83.9	86.7	88.6	89.4	91.0	91.5	91.6	92.5	92.6	92.7	92.8	93.7	94.1	94.5	
GE 400	72.2	82.6	84.0	86.8	88.9	89.7	91.5	92.2	92.3	93.3	93.4	93.8	94.7	95.2	95.6	96.0	
GE 300	72.2	82.6	84.0	87.0	89.5	90.3	92.3	92.9	93.0	94.4	94.8	95.4	95.5	96.3	96.8	97.2	
GE 200	72.2	82.6	84.0	87.0	89.5	90.3	92.5	93.2	93.7	95.4	96.0	96.7	96.8	97.8	98.3	98.7	
GE 100	72.2	82.6	84.0	87.0	89.5	90.3	92.5	93.2	93.7	95.4	96.3	96.6	97.2	97.3	99.1	99.7	
GE 0	72.2	82.6	84.0	87.0	89.5	90.3	92.5	93.2	93.7	95.4	96.3	96.6	97.2	97.3	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	38.9	41.9	42.3	42.5	42.9	42.9	43.1	43.3	43.3	43.5	43.7	43.7	43.8	43.9	44.1	44.2
GE 20000	40.2	43.4	43.8	44.3	44.7	44.7	44.9	45.2	45.2	45.4	45.5	45.5	45.7	45.9	46.0	46.0
GE 18000	42.8	44.0	44.3	44.8	45.3	45.3	45.5	45.7	45.7	45.9	46.0	46.0	46.1	46.2	46.5	46.6
GE 16000	40.8	44.0	44.3	44.8	45.3	45.3	45.5	45.7	45.7	45.9	46.0	46.0	46.1	46.2	46.5	46.6
GE 14000	41.4	44.6	44.9	45.5	45.9	45.9	46.1	46.3	46.3	46.6	46.7	46.7	46.8	46.9	47.1	47.2
GE 12000	42.4	45.6	45.9	46.5	46.9	46.9	47.1	47.3	47.3	47.5	47.6	47.6	47.7	47.8	48.1	48.2
GE 10000	44.8	48.6	49.1	49.7	50.1	51.1	51.5	51.7	51.9	51.9	52.2	52.3	52.4	52.5	52.7	52.8
GE 9000	46.1	50.0	50.5	51.1	51.5	51.5	51.7	51.9	51.9	52.2	52.3	52.4	52.5	52.7	52.8	52.8
GE 8000	48.1	52.0	52.6	53.1	53.5	53.5	54.0	54.0	54.2	54.3	54.3	54.4	54.5	54.7	54.8	54.8
GE 7000	50.3	54.7	55.4	55.9	56.7	56.7	56.9	57.1	57.1	57.3	57.4	57.4	57.5	57.6	57.8	58.0
GE 6000	51.8	56.2	56.9	57.4	58.2	58.2	58.4	58.6	58.6	58.8	58.9	58.9	59.0	59.1	59.4	59.5
GE 5000	54.4	58.9	59.6	60.1	60.9	60.9	61.1	61.3	61.3	61.5	61.6	61.6	61.7	61.8	62.0	62.2
GE 4500	55.2	59.0	60.8	61.5	62.3	62.3	62.5	62.7	62.7	62.9	63.0	63.0	63.1	63.2	63.4	63.5
GE 4000	56.3	61.5	62.5	63.4	64.3	64.5	64.7	64.9	64.9	65.2	65.3	65.3	65.4	65.5	65.7	65.8
GE 3500	57.4	62.7	63.7	64.6	65.5	65.7	65.9	66.1	66.1	66.3	66.5	66.5	66.6	66.7	66.9	67.0
GE 3000	58.8	64.3	65.4	66.5	67.4	67.6	68.0	68.2	68.2	68.4	68.5	68.5	68.6	68.7	69.9	69.9
GE 2500	61.0	67.2	68.3	69.7	70.6	71.0	71.3	71.5	71.5	71.7	71.8	71.8	71.9	72.0	72.3	72.4
GE 2000	62.8	59.7	71.0	72.5	73.5	73.9	74.2	74.5	74.5	74.8	74.9	74.9	75.1	75.2	75.4	75.5
GE 1800	64.7	71.2	72.5	74.1	75.2	75.6	75.9	76.2	76.2	76.6	76.7	76.7	76.8	76.9	77.1	77.2
GE 1500	65.1	72.5	73.9	75.8	77.1	77.5	78.0	78.5	78.5	78.9	79.0	79.0	79.1	79.2	79.5	79.6
GE 1200	66.2	74.5	76.0	78.1	79.5	80.2	80.6	81.3	81.3	81.8	81.9	81.9	82.0	82.2	82.4	82.5
GE 1000	66.9	75.7	77.3	79.5	81.1	82.0	82.6	83.5	83.5	84.2	84.3	84.3	84.4	84.5	84.7	84.8
GF 900	68.1	77.4	79.0	81.4	83.1	84.1	84.7	85.8	85.8	86.6	86.7	86.7	86.9	87.0	87.2	87.3
GE 800	68.5	78.5	80.2	82.6	84.5	85.5	86.2	87.4	87.4	88.4	88.5	88.5	88.6	88.9	89.1	89.2
GF 700	68.6	79.0	80.4	83.4	85.5	86.6	87.3	89.6	88.6	89.7	89.9	89.9	90.3	90.4	90.6	90.8
GE 600	69.1	79.9	81.9	84.6	86.9	86.1	88.9	90.3	90.3	91.6	91.7	91.7	92.3	92.4	92.7	92.8
GF 500	69.2	80.1	82.3	85.1	87.5	88.7	89.6	91.0	91.0	92.5	92.7	92.7	93.2	93.3	93.7	93.8
GE 400	69.4	80.5	82.9	85.9	88.5	89.6	90.8	92.2	92.2	93.4	94.0	94.1	94.7	94.8	95.2	95.4
GE 300	69.4	80.5	82.9	85.9	89.9	90.2	91.3	92.7	92.8	94.6	94.8	94.9	95.6	95.7	96.0	96.3
GE 200	69.4	80.5	82.9	86.0	89.5	90.9	91.9	93.4	93.7	95.7	96.2	96.5	97.3	97.6	98.2	98.5
GE 100	69.4	80.5	82.9	86.0	89.5	90.9	91.9	93.4	93.7	95.7	96.2	96.6	97.5	98.0	99.2	99.7
GE 31	69.4	80.5	82.9	86.0	89.5	90.9	91.9	93.4	93.7	95.7	96.2	96.6	97.5	98.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOLLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-81  
MONTH: DEC HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 1/16	GE 1/4	GE 0	
NO CEIL	35.0	39.2	40.0	40.4	40.5	40.9	41.1	41.4	41.4	41.5	41.5	41.5	41.7	41.7	41.7	41.7	41.7	
GE 20000	39.7	45.3	46.0	46.7	46.8	47.2	47.6	48.2	48.5	48.4	48.5	48.5	48.7	48.7	48.7	48.7	48.7	
GE 18000	39.7	45.3	46.0	46.7	46.8	47.2	47.6	48.2	48.5	48.4	48.5	48.5	48.7	48.7	48.7	48.7	48.7	
GE 16000	39.7	45.3	46.0	46.7	46.8	47.2	47.6	48.2	48.5	48.4	48.5	48.5	48.7	48.7	48.7	48.7	48.7	
GE 14000	40.6	46.2	47.0	47.6	47.7	48.2	48.6	49.1	49.2	49.4	49.5	49.5	49.7	49.7	49.7	49.7	49.7	
GE 12000	41.2	46.8	47.5	48.3	49.4	49.8	49.2	49.8	49.9	50.0	50.1	50.1	50.3	50.3	50.3	50.3	50.3	
GE 10000	43.7	49.9	50.8	51.6	51.8	52.3	52.7	53.4	53.5	53.7	53.9	53.6	54.0	54.0	54.0	54.0	54.0	
GE 9000	44.0	51.2	52.2	53.1	53.3	53.8	54.5	55.1	55.2	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	
GE 8000	46.8	53.3	54.3	55.3	55.6	56.0	56.8	57.3	57.4	57.5	57.6	57.8	57.8	57.8	57.8	57.8	57.8	
GE 7000	48.7	55.6	56.6	57.6	58.0	58.5	59.4	59.9	60.0	60.1	60.2	60.4	60.4	60.4	60.4	60.4	60.4	
GE 6000	49.6	56.7	57.6	58.7	59.0	59.6	60.6	61.2	61.3	61.4	61.5	61.5	61.7	61.7	61.7	61.7	61.7	
GE 5000	51.6	59.0	60.0	61.2	61.5	62.0	63.2	63.8	63.9	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	
GE 4500	52.4	60.0	61.0	62.0	62.5	63.0	64.2	64.8	64.9	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	
GE 4000	53.7	61.3	62.3	63.4	63.8	64.3	65.5	66.2	66.7	66.7	66.8	67.0	67.0	67.0	67.0	67.0	67.0	
GE 3500	54.1	52.0	63.0	64.2	64.6	65.2	66.3	67.1	67.2	67.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8	
GE 3000	55.4	63.9	64.6	66.1	66.6	67.1	68.3	69.3	69.5	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	
GE 2500	57.6	66.7	68.0	69.5	70.0	70.8	72.4	73.1	73.2	73.7	73.9	73.8	74.0	74.0	74.0	74.0	74.0	
GE 2000	59.2	68.9	70.2	71.7	72.4	73.2	74.8	75.6	76.3	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	
GE 1800	59.9	69.7	71.0	72.6	73.2	74.1	75.7	76.7	76.9	77.4	77.5	77.5	77.7	77.7	77.7	77.7	77.7	
GE 1500	61.4	72.0	73.5	75.2	75.9	76.9	78.6	79.9	80.1	81.1	81.1	81.3	81.3	81.4	81.4	81.4	81.4	
GE 1200	63.1	74.2	75.9	77.6	78.4	79.4	81.2	82.7	82.9	83.8	84.2	84.4	84.4	84.5	84.5	84.5	84.5	
GE 1000	67.8	75.5	77.3	79.1	80.0	81.2	83.1	84.7	84.9	85.9	86.5	86.7	86.7	86.8	86.8	86.8	86.8	
GE 900	63.9	76.1	79.1	80.0	81.1	82.3	84.2	86.1	86.3	87.3	87.9	88.1	88.2	88.3	88.3	88.3	88.3	
GE 800	64.1	76.6	78.6	80.5	81.6	82.6	84.8	87.2	87.5	88.6	89.4	89.8	90.1	90.2	90.2	90.2	90.2	
GE 700	64.4	77.5	79.7	81.6	82.8	84.0	86.2	88.7	89.0	90.1	91.0	91.0	91.4	91.4	91.4	91.4	91.4	
GE 600	64.5	77.6	80.1	82.0	83.2	84.5	87.0	89.6	90.9	91.7	91.8	92.3	92.7	92.7	92.7	92.7	92.7	
GE 500	64.6	77.7	80.4	82.5	83.8	85.1	87.8	90.4	90.5	91.9	92.9	92.8	93.3	93.8	94.2	94.2	94.2	
GE 400	64.7	77.8	80.5	82.6	84.2	85.5	88.4	91.1	91.4	92.8	93.7	94.2	94.6	95.2	95.4			
GE 300	64.8	78.0	80.6	82.9	84.7	86.1	89.1	91.9	92.3	94.1	95.1	95.6	96.0	96.6	97.0			
GE 200	64.8	78.6	80.6	83.0	84.9	86.3	89.4	92.3	92.6	94.5	95.7	95.7	96.6	97.0	98.2	98.8		
GE 100	64.9	78.0	80.6	83.0	84.9	86.3	89.4	92.3	92.6	94.5	95.9	96.9	97.3	98.0	98.9	100.0		
GF	64.0	78.0	80.6	83.0	84.9	86.3	89.4	92.3	92.6	94.5	95.9	96.9	97.3	98.0	98.9	100.0		

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLU FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1200-1400

CEILING IN FELT	VISIBILITY IN STATUTE MILES																	
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GF 1/16	GE 1/4	GE 3		
NO CLOUD	40.6	43.7	44.3	44.6	44.9	45.1	45.2	45.2	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	
GE 20000	47.4	51.0	51.6	51.9	52.3	52.4	52.8	52.8	52.9	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	
GE 18000	49.0	51.5	52.2	52.5	52.8	52.9	53.3	53.3	53.4	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
GE 16000	48.3	51.5	52.4	52.5	52.8	52.9	53.3	53.3	53.4	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
GE 14000	48.8	52.6	53.2	53.5	53.9	54.0	54.4	54.4	54.5	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	
GE 12000	49.4	53.6	53.7	54.0	54.3	54.4	54.8	54.8	54.9	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	
GE 10000	51.0	54.7	55.4	55.7	56.0	56.1	56.6	56.7	56.8	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	
GE 9000	51.4	55.7	56.3	56.9	57.2	57.3	57.7	57.8	58.0	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
GE 8000	53.4	57.7	58.4	58.9	59.2	59.4	59.8	59.9	60.0	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
GE 7000	54.5	59.1	59.8	60.3	60.6	61.6	61.2	61.3	61.4	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
GE 6000	55.3	63.0	63.6	64.2	64.5	64.6	62.0	62.2	62.3	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
GE 5000	56.6	61.0	61.6	62.2	62.5	62.6	63.0	63.1	63.2	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	
GE 4500	56.6	61.4	62.2	62.7	63.0	63.1	63.7	63.9	64.3	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	
GE 4000	57.4	62.3	63.1	63.7	64.1	64.4	64.9	65.3	65.4	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	
GE 3500	58.1	63.1	64.0	64.5	65.1	65.6	65.9	66.2	66.3	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
GE 3000	59.4	64.4	65.5	66.0	66.6	66.6	67.6	68.3	68.4	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	
GE 2500	61.1	66.9	68.1	68.6	69.6	70.0	70.9	71.7	71.9	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 2000	63.3	69.8	71.0	71.5	72.5	73.1	74.2	75.1	75.2	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
GE 1800	64.1	70.8	72.0	72.6	73.5	74.2	75.3	76.1	76.3	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	
GE 1500	66.2	73.4	75.1	75.6	76.7	77.0	78.5	79.4	79.6	80.2	80.9	80.9	80.9	80.9	80.9	80.9	80.9	
GE 1200	67.7	76.0	77.6	78.3	79.7	80.3	81.5	82.5	82.7	83.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	
GE 1000	68.4	77.3	79.0	79.8	81.5	82.3	83.7	84.4	85.2	85.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	
GE 900	69.1	78.7	80.5	81.3	83.1	83.9	85.3	86.6	86.8	87.5	88.7	88.7	88.8	88.8	88.8	88.8	88.8	
GE 800	69.1	79.4	81.5	82.4	84.2	85.1	86.5	87.8	88.1	89.2	90.8	90.8	90.9	91.0	91.0	91.0	91.0	
GE 700	69.5	80.4	82.7	83.5	85.4	86.2	87.8	89.2	89.5	90.8	92.3	92.3	92.6	92.7	92.7	92.8	92.8	
GE 600	69.8	81.1	83.3	84.3	86.1	87.0	88.6	90.1	90.4	91.6	93.5	93.7	94.0	94.1	94.2	94.2	94.2	
GE 500	69.9	81.4	83.7	84.8	86.5	87.6	89.2	90.4	91.2	92.6	94.3	94.5	95.1	95.3	95.5	95.5	95.5	
GE 400	69.9	81.5	83.9	85.1	87.0	87.6	89.5	91.1	91.4	93.7	94.9	95.2	95.7	95.9	96.1	96.5	96.5	
GE 300	69.9	81.5	83.9	85.2	87.6	87.5	90.2	91.9	92.3	94.3	96.7	96.9	97.5	97.7	98.1	98.6	98.6	
GE 200	69.9	81.5	83.9	85.2	87.6	87.6	90.3	92.0	92.5	94.5	97.0	97.4	98.1	98.3	98.7	99.2	99.2	
GE 100	69.9	81.5	83.9	85.2	87.6	87.6	90.3	92.2	92.5	94.5	97.1	97.3	98.5	98.8	99.5	100.0	100.0	
GE	69.9	81.5	83.9	85.2	87.6	87.6	90.3	92.2	92.5	94.5	97.1	97.3	98.5	98.8	99.5	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 253

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/3	GE 1/2	GE 5/16	GE 1/4	GE 0	
NO CEIL	47.4	46.9	47.6	47.8	48.3	48.3	48.3	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.6	48.6	
GE 20000	47.7	51.9	52.7	52.9	53.5	53.7	53.8	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.3	54.3	
GE 18000	48.0	52.2	52.9	53.1	53.4	53.9	54.0	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.5	54.5	
GE 16000	48.1	52.3	53.0	53.2	53.9	54.0	54.1	54.2	54.3	54.5	54.5	54.5	54.5	54.5	54.6	54.6	
GE 14000	48.6	52.9	53.7	53.9	54.5	54.6	54.7	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.4	55.4	
GE 12000	49.2	53.5	54.3	54.5	55.3	55.7	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	
GE 10000	52.5	57.2	58.0	58.2	59.1	59.4	59.6	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.2	60.2	
GE 9000	53.8	58.7	59.5	59.7	60.6	61.0	61.2	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.8	61.8	
GE 8000	55.2	60.2	61.1	61.3	62.3	62.6	62.8	63.0	63.1	63.3	63.3	63.3	63.3	63.3	63.4	63.4	
GE 7000	56.8	61.9	62.8	63.1	64.1	64.4	64.6	64.8	64.9	65.3	65.3	65.3	65.3	65.3	65.4	65.4	
GE 6000	57.4	62.7	63.5	63.9	64.8	65.3	65.5	65.7	65.8	66.1	66.2	66.2	66.2	66.2	66.3	66.3	
GE 5000	58.3	63.9	64.7	65.1	66.1	66.6	66.8	67.3	67.1	67.4	67.5	67.5	67.5	67.5	67.6	67.6	
GE 4500	58.8	64.6	65.5	65.9	67.0	67.4	67.6	67.8	68.0	68.3	68.4	68.4	68.4	68.4	68.5	68.5	
GE 4000	59.4	65.5	66.3	66.8	67.8	68.3	68.7	68.9	69.0	69.4	69.5	69.5	69.5	69.5	69.6	69.6	
GE 3500	60.4	66.7	67.5	68.0	69.0	69.6	70.0	70.2	70.3	70.6	70.8	70.8	70.8	70.8	70.9	70.9	
GE 3000	62.2	68.7	69.7	70.2	71.5	72.0	72.6	73.0	73.1	73.5	73.7	73.7	73.7	73.7	73.8	73.8	
GE 2500	63.9	70.6	71.8	72.6	74.0	74.6	75.5	76.0	76.1	76.6	76.7	76.7	76.7	76.7	76.8	76.8	
GE 2000	66.5	73.8	74.9	75.7	77.3	78.1	78.9	79.9	80.0	80.5	80.6	80.6	80.6	80.6	80.6	80.6	
GE 1800	67.0	74.8	76.2	77.1	78.7	79.5	80.7	81.3	81.5	82.0	82.2	82.2	82.2	82.2	82.3	82.3	
GE 1500	68.3	76.3	77.6	78.8	80.4	81.3	82.3	83.4	83.7	84.6	84.8	84.8	84.8	84.8	84.9	84.9	
GE 1200	69.1	77.8	79.5	80.6	82.5	83.3	84.3	85.7	85.9	87.2	87.4	87.4	87.4	87.4	87.5	87.6	
GE 1000	69.5	78.7	80.5	82.0	84.1	85.1	86.1	87.7	88.1	89.4	89.7	89.7	89.8	89.8	90.0	90.0	
GE 900	69.5	79.2	81.1	82.6	84.8	85.6	87.0	88.6	89.9	90.7	90.9	90.9	91.0	91.1	91.2	91.2	
GE 800	69.6	79.7	81.6	83.1	85.4	86.5	87.6	89.4	89.7	91.1	91.6	91.6	91.6	91.6	92.2	92.2	
GE 700	69.7	80.3	82.4	84.1	86.3	87.5	89.7	90.4	90.8	92.3	92.6	92.6	92.6	92.6	93.4	93.4	
GE 600	69.7	80.8	83.0	84.7	87.1	88.3	89.7	91.4	91.7	93.2	97.9	93.9	94.4	94.5	94.7	94.7	
GE 500	69.8	81.3	84.1	85.7	88.2	89.6	91.0	92.7	93.0	94.6	97.4	97.4	97.4	97.4	97.5	97.5	
GE 400	69.8	81.5	84.3	86.2	88.7	90.2	91.7	93.6	93.9	95.6	96.3	96.5	97.2	97.3	97.5	97.7	
GE 300	69.9	81.6	84.4	86.3	88.9	90.4	92.0	94.1	94.4	96.4	97.3	97.4	98.4	98.5	98.7	98.9	
GE 200	69.8	81.6	84.4	86.3	88.9	90.4	92.2	94.2	94.5	96.8	97.5	97.6	98.6	98.7	99.2	99.7	
GE 100	69.8	81.6	84.4	86.5	88.9	90.4	92.2	94.2	94.5	96.8	97.7	97.8	98.9	99.3	99.6	100.0	
GE	81	69.8	81.6	84.4	86.3	88.9	90.4	92.2	94.2	94.5	96.8	97.7	97.8	98.9	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLG FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 7/8	GE 1/2	GE 5/16	GE 1/4	GE 3
NO CEIL	46.9	49.1	49.8	50.3	50.5	50.6	50.6	50.8	50.9	50.9	50.9	50.9	51.1	51.1	51.2	51.4
GE 20000	46.9	51.4	52.0	52.7	52.9	53.0	53.0	53.1	53.2	53.4	53.4	53.4	53.7	53.7	53.8	54.0
GE 18000	47.5	51.9	52.6	53.2	53.4	53.5	53.5	53.7	53.8	54.0	54.0	54.0	54.2	54.2	54.3	54.5
GE 16000	49.6	52.0	52.7	53.3	53.5	53.7	53.7	53.8	53.9	54.1	54.1	54.1	54.3	54.3	54.4	54.6
GE 14000	52.2	52.7	53.3	54.0	54.2	54.3	54.3	54.4	54.5	54.7	54.7	54.7	54.9	54.9	55.1	55.3
GE 12000	50.6	53.1	53.8	54.4	54.6	54.7	54.7	54.8	54.9	55.2	55.2	55.4	55.4	55.5	55.5	55.7
GE 10000	53.9	56.5	57.1	57.7	58.0	58.1	58.1	58.2	58.3	58.5	58.5	58.5	58.7	58.7	58.8	59.0
GE 8000	55.1	58.1	58.6	59.5	59.7	59.8	59.8	59.9	60.0	60.2	60.2	60.2	60.4	60.4	60.5	60.5
GE 6000	57.3	60.4	61.2	61.8	62.0	62.2	62.2	62.3	62.4	62.6	62.6	62.6	62.8	62.8	62.9	63.1
GE 4000	56.4	61.7	62.5	63.2	63.4	63.5	63.5	63.7	63.8	64.0	64.0	64.2	64.2	64.3	64.5	64.5
GE 2000	58.7	62.4	63.1	63.9	64.1	64.2	64.2	64.3	64.4	64.6	64.6	64.6	64.8	64.8	64.9	65.0
GE 5000	60.3	64.4	65.2	65.9	66.1	66.2	66.2	66.3	66.5	66.7	66.7	66.7	66.9	66.9	67.0	67.2
GE 4500	61.3	65.5	66.3	67.1	67.3	67.4	67.4	67.5	67.6	67.8	67.8	68.1	68.2	68.3	68.4	68.4
GE 4000	62.6	67.0	68.0	68.7	69.0	69.2	69.2	69.4	69.5	69.7	69.7	69.9	69.9	70.0	70.2	70.2
GE 3500	63.4	67.8	68.9	69.7	70.0	70.2	70.2	70.3	70.4	70.6	70.6	70.8	70.9	70.9	71.0	71.2
GE 3000	64.0	68.7	70.1	71.1	71.4	71.6	71.6	71.7	71.8	72.0	72.0	72.3	72.3	72.4	72.6	72.6
GE 2500	66.5	71.8	73.4	74.6	75.1	75.3	75.7	75.9	76.0	76.2	76.2	76.2	76.5	76.5	76.6	76.8
GE 2000	67.6	73.7	75.5	76.8	77.4	77.6	77.6	78.1	78.3	78.4	78.6	78.6	79.8	79.8	79.9	79.9
GE 1800	68.7	75.3	77.2	78.5	79.1	79.4	79.8	80.1	80.2	80.4	80.4	80.4	80.6	80.6	80.8	81.0
GE 1500	71.2	78.8	80.9	82.3	83.0	83.2	83.8	84.1	84.2	84.4	84.4	84.4	84.6	84.6	84.7	84.9
GE 1200	71.9	80.2	82.8	84.4	85.2	85.4	86.0	86.5	86.6	86.8	86.8	86.8	87.0	87.0	87.1	87.3
GE 1000	71.9	81.0	83.7	85.5	86.3	86.6	87.3	87.7	88.0	88.2	88.2	88.2	88.4	88.4	88.5	88.7
GE 900	72.2	H1.7	84.4	86.3	87.2	87.4	88.2	88.6	88.8	89.0	89.2	89.2	89.7	89.7	89.8	90.0
GE 800	72.5	P2.4	85.2	87.3	88.2	88.4	89.1	89.6	89.8	90.1	90.3	90.3	90.8	90.8	91.0	91.1
GE 700	72.6	R2.7	85.5	87.7	88.6	88.9	89.7	90.4	90.6	91.1	91.3	91.3	91.7	91.7	91.8	92.0
GE 600	73.0	P3.4	86.2	88.6	89.6	89.9	90.6	91.4	91.6	92.3	92.6	93.2	93.2	93.3	93.5	93.5
GE 500	73.0	86.9	88.9	90.5	91.6	92.4	92.6	93.2	93.7	94.3	94.3	94.4	94.4	94.4	94.6	94.6
GE 400	73.0	87.4	90.4	91.5	91.9	92.7	93.4	93.7	94.3	94.7	94.7	95.4	95.4	95.5	95.7	95.7
GE 300	73.0	94.7	88.0	91.4	92.7	93.2	94.1	94.8	95.2	95.9	96.6	96.6	97.2	97.2	97.5	97.7
GE 200	77.0	H4.7	88.0	91.5	92.9	93.4	94.5	95.3	95.6	96.5	97.1	97.1	97.8	98.0	98.7	98.9
GE 100	73.0	H4.7	88.0	91.5	92.9	93.4	94.6	95.4	95.7	96.6	97.2	97.3	98.2	98.3	99.1	99.6
GE 71	73.0	14.7	68.0	91.5	92.9	93.4	94.6	95.4	95.7	96.6	97.2	97.3	98.2	98.3	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: FECTOR FLG FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	CE 10	GE 6	GE 5	GE 4	GE 3	CE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 1/8
NO CEIL	43.9	46.1	46.2	46.6	46.9	46.8	46.8	47.1	47.1	47.1	47.2	47.2	47.5	47.6	47.8	48.0
GE 20000	45.1	47.3	47.4	47.7	48.0	48.0	48.0	48.2	48.3	48.3	48.4	48.4	48.7	48.8	48.9	49.1
GE 18000	45.4	47.7	47.8	48.0	48.4	48.4	48.4	48.6	48.7	48.7	48.8	48.8	49.1	49.2	49.5	49.6
GE 16000	45.4	47.7	47.8	48.2	48.4	48.4	48.4	48.6	48.7	48.7	48.8	48.8	49.1	49.2	49.5	49.6
GE 14000	45.2	48.6	48.7	49.0	49.2	49.2	49.2	49.5	49.6	49.6	49.7	49.7	50.0	50.1	50.3	50.4
GE 12000	47.6	50.0	50.1	50.4	50.6	50.6	50.6	50.9	51.0	51.0	51.1	51.1	51.4	51.5	51.7	51.8
GE 10000	51.6	54.1	54.2	54.5	54.7	54.7	54.7	54.9	55.1	55.1	55.2	55.2	55.5	55.6	55.8	55.9
GF 9000	52.4	54.8	54.9	55.3	55.5	55.5	55.5	55.7	55.8	55.8	55.9	55.9	56.2	56.3	56.6	56.7
GE 8000	53.5	56.2	56.3	56.7	56.9	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.6	57.7	58.0	58.1
GE 7000	55.4	58.3	58.4	58.7	58.9	58.9	58.9	59.1	59.2	59.2	59.4	59.4	59.7	59.8	60.0	60.1
GE 6000	56.6	59.8	59.9	60.3	60.5	60.5	60.5	60.8	60.9	60.9	61.0	61.0	61.3	61.4	61.6	61.7
GE 5000	58.6	62.3	62.5	62.9	63.2	63.2	63.2	63.5	63.7	63.7	63.8	63.8	64.1	64.2	64.4	64.5
GE 4500	62.0	64.0	64.2	64.7	65.1	65.1	65.1	65.4	65.5	65.5	65.6	65.6	65.9	66.0	66.2	66.3
GE 4000	60.9	65.2	65.6	66.1	66.5	66.5	66.5	66.8	66.9	66.9	67.0	67.0	67.3	67.4	67.6	67.7
GE 3500	67.2	66.8	67.3	67.6	68.2	68.2	68.2	68.5	68.6	68.6	68.7	68.7	69.0	69.1	69.4	69.5
GE 3000	63.7	68.7	69.5	70.0	70.3	70.3	70.3	70.6	70.8	70.8	70.9	70.9	71.2	71.3	71.5	71.6
GE 2500	66.7	72.5	73.3	74.2	74.7	74.7	74.9	75.3	75.4	75.4	75.5	75.5	75.8	75.9	76.1	76.2
GE 2000	64.5	75.1	75.9	76.6	77.3	77.3	77.5	77.8	78.0	78.0	78.1	78.1	78.4	78.5	78.7	78.8
GE 1600	69.4	76.0	76.4	77.7	78.3	78.4	78.6	78.9	79.0	79.0	79.1	79.1	79.5	79.6	79.8	79.9
GE 1500	71.4	78.7	79.5	81.1	81.6	81.7	82.0	82.4	82.5	82.5	82.6	82.6	83.0	83.2	83.3	83.4
GE 1200	73.0	80.6	82.4	83.9	84.4	84.5	84.8	85.2	85.3	85.3	85.4	85.4	85.7	85.8	86.0	86.1
GE 1000	73.9	82.0	84.2	85.7	86.3	86.5	86.9	87.2	87.3	87.3	87.4	87.4	87.7	87.8	88.1	88.2
GF 900	74.0	82.5	84.7	86.2	86.9	87.0	87.4	87.7	88.1	88.1	88.3	88.3	88.6	88.7	88.9	89.0
GE 800	74.1	82.9	85.4	87.4	88.2	88.3	88.0	89.4	89.7	89.7	90.0	90.0	90.3	90.4	97.6	98.0
GE 700	74.3	83.3	86.2	88.2	88.9	89.0	89.0	90.1	90.4	90.4	90.6	90.6	91.2	91.3	91.5	91.6
GE 600	74.9	84.2	87.1	89.0	89.9	90.1	90.9	91.2	91.5	91.7	92.0	92.0	92.4	92.5	93.0	93.1
GE 500	75.1	84.5	87.4	89.4	90.2	90.4	91.3	91.7	92.2	92.4	97.1	97.1	93.4	93.5	94.1	94.2
GE 400	75.1	84.5	87.5	89.5	90.4	90.9	91.9	92.4	92.8	93.0	97.8	97.8	94.1	94.2	94.7	94.8
GE 300	75.1	84.5	87.7	90.1	91.2	91.6	92.8	93.4	94.0	94.4	95.2	95.5	95.6	96.2	96.3	
GE 200	75.1	84.6	87.8	90.2	91.5	92.0	93.4	94.3	94.8	95.5	96.5	96.6	97.1	97.5	98.4	98.5
GE 100	75.1	84.6	87.8	90.2	91.5	92.0	93.4	94.3	94.8	95.6	96.6	96.7	97.5	98.2	99.1	99.4
GE	75.1	84.6	87.8	90.4	91.5	92.0	93.4	94.3	94.8	95.6	96.6	96.7	97.6	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727F30 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-88  
MONTHS: DEC HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	CE 6	CE 5	CE 4	CE 3	CE 2	CE 1 1/2	CE 1	CE 1 1/4	CE 1	CE 7/4	CE 5/8	CE 1/2	CE 7/16	CE 1/4	CE 3/16	CE 1/8
NO CEIL	41.7	44.4	44.9	45.4	45.5	45.6	45.7	45.8	45.8	45.9	46.0	46.1	46.1	46.2	46.3	46.4
CE 20000	44.5	47.6	48.1	48.5	48.8	48.9	49.1	49.3	49.4	49.5	49.6	49.7	49.8	49.9	49.9	49.9
CE 18000	44.9	48.1	48.5	49.0	49.2	49.3	49.5	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.4
CE 16000	44.9	48.1	48.6	49.3	49.3	49.4	49.6	49.7	49.8	49.9	50.0	50.2	50.2	50.4	50.4	50.4
CE 14000	45.6	48.8	49.3	49.7	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.1	51.1	51.1	51.1
CE 12000	46.4	49.6	50.1	50.6	50.9	51.0	51.2	51.4	51.6	51.6	51.8	51.8	51.8	52.0	52.0	52.0
CE 10000	49.1	52.7	53.3	53.7	54.1	54.2	54.4	54.6	54.7	54.8	54.9	54.9	55.1	55.1	55.2	55.4
CE 9000	50.2	54.0	54.6	55.1	55.5	55.6	55.8	55.9	56.0	56.1	56.2	56.3	56.3	56.5	56.7	56.7
CE 8000	51.9	55.8	56.4	57.0	57.3	57.5	57.7	57.9	58.0	58.1	58.2	58.4	58.4	58.5	58.7	58.7
CE 7000	53.6	57.8	58.4	58.9	59.4	59.5	59.8	60.0	60.2	60.2	60.3	60.4	60.5	60.6	60.8	60.8
CE 6000	54.5	58.9	59.5	60.1	60.5	60.7	61.0	61.1	61.2	61.4	61.5	61.7	61.7	61.9	61.9	62.0
CE 5000	56.6	61.2	61.8	62.4	62.9	63.0	63.4	63.6	63.6	63.8	63.8	63.9	64.1	64.1	64.2	64.4
CE 4000	57.4	62.2	62.9	63.6	64.1	64.2	64.5	64.8	64.9	65.0	65.1	65.1	65.3	65.3	65.5	65.6
CE 3000	58.6	63.6	64.4	65.1	65.6	65.8	66.2	66.5	66.5	66.7	66.9	66.8	67.0	67.0	67.1	67.1
CE 3100	59.9	64.7	65.5	66.2	66.8	67.0	67.4	67.7	67.7	67.9	68.0	68.2	68.2	68.3	68.5	68.5
CE 3200	60.9	66.6	67.5	68.3	68.9	69.2	69.6	69.9	70.0	70.2	70.3	70.5	70.5	70.6	70.6	70.6
CE 2000	63.5	69.6	70.7	71.8	72.5	74.8	73.5	73.9	74.0	74.2	74.3	74.4	74.5	74.6	74.6	74.6
CE 2100	65.2	72.0	73.2	74.3	75.3	75.7	76.3	76.8	76.9	77.2	77.3	77.3	77.4	77.5	77.6	77.6
CE 1900	66.2	73.2	74.5	75.7	76.7	77.1	77.8	78.3	78.4	78.7	79.4	79.4	79.6	79.6	79.6	79.6
CE 1800	67.9	75.5	76.9	78.3	79.2	79.7	80.5	81.1	81.2	81.6	81.8	81.9	82.0	82.1	82.3	82.3
CE 1700	69.1	77.2	78.9	80.5	81.6	82.1	83.0	83.7	83.8	84.3	84.5	84.7	84.7	84.9	85.1	85.1
CE 18000	69.7	78.4	80.1	81.9	83.2	83.8	84.4	85.7	85.8	86.3	86.6	86.8	86.8	87.0	87.2	87.2
CE 17000	70.0	79.3	81.1	82.9	84.7	84.9	85.5	86.4	87.1	87.6	87.9	88.2	88.2	88.4	88.6	88.6
CE 16000	70.2	79.9	81.9	83.7	85.2	85.8	86.9	88.0	88.2	88.9	89.3	89.6	89.7	89.9	90.0	90.0
CE 1700	70.5	80.7	82.8	84.7	86.3	86.9	88.1	89.2	89.4	90.2	90.6	91.0	91.1	91.3	91.4	91.4
CE 6000	70.9	81.5	83.0	85.4	87.4	88.1	89.3	90.6	91.0	92.1	92.5	92.7	92.7	93.0	93.0	93.0
CE 1600	71.0	81.8	84.2	86.4	88.1	89.0	90.7	91.4	91.7	92.8	93.4	93.9	94.1	94.5	94.7	94.7
CE 1500	71.0	82.0	84.5	86.6	88.6	89.5	91.0	92.3	92.6	93.6	94.2	94.4	94.9	95.1	95.5	95.6
CE 1700	71.0	82.1	84.6	87.1	89.2	90.1	91.7	93.1	93.7	94.8	95.6	95.6	96.3	96.9	97.3	97.3
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.4	94.5	94.5	94.6	94.8	94.8
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1600	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6	94.8	94.8	94.9	94.9	94.9
CE 1500	71.0	82.1	84.6	87.4	89.4	90.3	92.0	93.5	93.6	93.6	94.6					

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FOLLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87

MONTH: ALL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	GE 1°	GE 6	GE 5	GE 4	GE 3	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.7	51.4	51.7	52.0	52.1	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.6
GE 20000	54.8	56.8	57.2	57.4	57.6	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0
GE 18000	54.0	57.1	57.4	57.6	57.8	57.9	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2
GE 16000	55.1	57.1	57.4	57.7	57.9	57.9	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2
GE 14000	55.7	57.8	58.1	58.4	58.6	58.7	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
GE 12000	56.4	58.9	59.3	59.7	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2
GE 10000	62.2	62.6	63.0	63.2	63.4	63.5	63.6	63.7	63.7	63.7	63.8	63.8	63.9	63.9	64.0	64.0
GE 8000	61.6	64.0	64.4	64.7	64.9	65.0	65.1	65.2	65.2	65.2	65.3	65.3	65.4	65.4	65.5	65.5
GE 6000	63.2	65.8	66.2	66.5	66.7	66.8	66.9	67.0	67.0	67.1	67.1	67.2	67.2	67.3	67.3	67.4
GE 4000	65.1	67.9	68.3	68.6	68.9	69.1	69.1	69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.5	69.5
GE 2000	66.2	69.1	69.4	69.9	70.1	70.2	70.4	70.4	70.5	70.6	70.6	70.7	70.7	70.8	70.8	70.9
GE 5000	64.2	71.3	71.9	72.2	72.5	72.5	72.7	72.8	72.8	72.9	72.9	73.0	73.0	73.1	73.1	73.2
GE 4000	69.4	72.7	73.5	73.7	73.9	74.0	74.2	74.3	74.3	74.4	74.4	74.5	74.5	74.6	74.6	74.6
GE 3000	70.0	74.0	74.6	75.0	75.4	75.4	75.6	75.6	75.7	75.7	75.9	75.9	75.9	76.0	76.0	76.0
GE 2000	71.7	75.4	76.0	76.4	76.7	76.8	77.0	77.1	77.2	77.3	77.3	77.4	77.4	77.5	77.5	77.5
GE 1000	77.7	77.7	78.4	78.6	79.2	79.3	79.5	79.6	79.6	79.8	79.8	79.9	79.9	80.0	80.0	80.0
GE 2500	78.8	80.2	81.0	81.5	82.0	82.1	82.4	82.5	82.5	82.6	82.7	82.7	82.8	82.8	82.9	82.9
GE 2000	77.2	82.6	83.5	84.1	84.5	84.7	85.0	85.2	85.4	85.4	85.5	85.5	85.6	85.6	85.7	85.7
GE 1800	78.5	83.5	84.5	85.1	85.6	85.8	86.1	86.3	86.5	86.5	86.6	86.6	86.7	86.7	86.8	86.8
GE 1500	79.8	85.2	86.3	87.0	87.6	87.8	88.2	88.4	88.4	88.6	88.7	88.8	88.8	88.9	88.9	88.9
GE 1000	81.0	86.9	88.1	88.9	89.5	89.6	90.2	90.5	90.6	90.8	90.9	91.0	91.0	91.1	91.1	91.1
GE 1000	81.7	89.0	89.3	90.1	90.9	91.2	91.7	92.1	92.2	92.4	92.5	92.6	92.6	92.7	92.7	92.8
GE 900	82.2	83.8	84.0	84.1	84.8	85.2	85.7	86.1	86.3	86.6	86.7	86.7	86.8	86.8	86.9	86.9
GE 800	82.4	89.2	91.6	92.5	92.9	93.5	93.9	94.0	94.2	94.5	94.5	94.6	94.7	94.7	94.8	94.8
GE 700	82.4	99.7	91.1	92.2	93.1	93.5	94.2	94.7	94.8	95.0	95.3	95.4	95.5	95.6	95.7	95.7
GE 600	82.9	93.2	91.7	92.9	93.9	94.4	95.1	95.7	95.8	96.0	96.4	96.6	96.6	96.7	96.7	96.8
GE 500	82.9	92.1	93.4	94.4	95.0	95.8	96.4	97.0	97.0	97.3	97.2	97.3	97.4	97.5	97.6	97.6
GE 400	82.6	92.6	92.3	93.6	94.9	95.3	96.2	96.4	97.0	97.6	97.8	97.9	98.1	98.2	98.3	98.3
GE 300	82.9	90.7	92.4	93.0	95.0	95.6	96.6	97.3	97.4	98.1	98.4	98.6	98.7	98.8	98.8	98.9
GE 200	82.9	90.7	92.4	93.8	95.0	95.6	96.6	97.4	97.6	98.3	98.7	98.7	99.1	99.3	99.5	99.5
GE 100	82.9	93.7	92.4	93.0	95.0	95.6	96.6	97.4	97.6	98.3	98.7	98.8	99.2	99.3	99.6	99.6
GE 0	82.9	92.7	92.4	93.8	95.7	95.6	96.6	97.4	97.6	98.3	98.7	98.8	99.2	99.3	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 87642

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	32.5			13.0						9.2	45.3	5.7	924
03-05	31.6			12.5						10.4	45.0	5.9	917
06-08	28.1			14.7						10.9	46.3	6.1	928
09-11	18.9			15.8						17.4	47.9	6.8	925
12-14	16.9			17.7						17.1	48.3	6.9	922
15-17	17.3			19.0						17.5	46.1	6.6	924
18-20	22.6			18.3						13.2	45.6	6.3	923
21-23	30.2			16.5						7.9	46.3	5.8	916
TOTALS	24.8			16.6						13.0	46.4	6.3	7370

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	28.2			12.4						10.8	48.6	6.2	836
03-05	25.4			13.6						11.2	47.9	6.4	840
06-08	19.8			16.0						14.5	49.6	6.7	847
09-11	15.0			16.8						13.5	55.7	7.3	835
12-14	13.0			16.7						15.9	54.5	7.4	839
15-17	9.7			21.8						18.1	51.4	7.4	843
18-20	12.9			22.1						15.2	49.8	7.0	847
21-23	23.5			14.0						11.2	46.3	6.2	841
TOTALS	18.4			17.1						13.6	47.7	6.8	6710

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: MAR

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9		
00-02	20.6			15.5					8.5	45.3	5.8	927
03-05	28.4			13.6					10.3	47.7	6.1	924
06-08	19.0			16.1					13.1	49.8	6.7	928
09-11	14.8			16.6					18.0	50.5	7.2	926
12-14	10.9			18.0					21.8	49.3	7.6	927
15-17	9.3			22.5					22.0	48.2	7.4	927
18-20	13.0			24.2					16.6	46.2	6.8	929
21-23	27.0			16.5					12.1	44.4	6.0	927
TOTALS	19.1			17.9					15.3	47.7	6.7	7417

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL OBS	
	0	1	2	3	4	5	6	7	8	9		
00-02	26.5			16.4					10.0	45.1	4.9	898
03-05	34.2			17.9					12.5	35.4	5.2	897
06-08	23.3			22.8					16.0	37.9	5.9	898
09-11	18.6			23.4					14.5	39.6	6.3	894
12-14	14.9			16.9					21.9	44.2	7.0	898
15-17	14.6			16.4					24.3	44.6	7.1	896
18-20	12.7			21.9					23.6	40.9	6.9	900
21-23	29.3			21.9					14.6	34.2	5.4	900
TOTALS	23.3			21.1					17.7	39.0	6.1	7177

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OCS
00-02	33.3									13.5	34.5	5.2	93.0
03-05	24.6									18.6	34.9	5.8	92.4
06-08	15.9									22.7	36.9	6.6	91.9
09-11	15.2									23.5	40.8	6.8	91.4
12-14	9.1									24.7	40.3	7.0	91.6
15-17	9.7									26.5	40.6	7.1	91.7
18-20	10.6									23.9	36.9	6.8	91.7
21-23	21.7									18.8	31.1	5.7	91.7
TOTALS	17.5									21.5	37.5	6.4	74.7

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OCS
00-02	28.3									11.3	31.5	5.3	84.6
03-05	18.5									21.3	32.9	6.0	84.1
06-08	15.9									24.4	34.7	6.4	90.7
09-11	14.8									24.4	36.0	6.6	90.7
12-14	6.4									12.6	33.1	7.1	90.7
15-17	7.2									11.0	29.7	6.7	89.9
18-20	9.2									12.1	24.5	6.2	84.7
21-23	16.5									21.6	25.8	5.6	89.7
TOTALS	14.6									26.1	31.0	6.7	71.81

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												MEAN	TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	35.9			23.9						16.6	73.0	4.6	928
03-05	28.1			26.6						21.6	22.4	5.3	930
06-08	16.0			29.6						24.1	23.0	5.4	928
09-11	14.4			32.3						26.4	26.9	6.2	929
12-14	7.7			46.0						32.2	20.1	6.1	930
15-17	8.5			45.3						20.4	19.8	5.7	930
18-20	13.5			44.6						26.6	19.1	5.3	930
21-23	22.6			26.0						23.1	19.3	5.2	930
TOTALS	18.6			35.1						25.1	21.3	5.5	7435

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												MEAN	TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	37.7			22.4						15.9	24.0	4.5	924
03-05	31.9			22.0						17.7	28.4	5.1	924
06-08	17.3			24.7						23.3	30.7	6.0	930
09-11	18.0			20.6						23.3	28.1	5.6	930
12-14	10.0			36.3						21.7	28.0	6.6	930
15-17	10.2			33.6						28.8	27.3	6.3	929
18-20	13.5			37.7						26.6	23.3	5.6	929
21-23	27.8			33.7						14.5	19.9	4.7	920
TOTALS	20.6			24.9						26.1	26.2	5.6	7427

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												MEAN	TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	40.2			16.2						11.8	31.7	4.7	858
03-05	39.2			16.8						12.7	31.3	4.8	848
06-08	19.1			23.2						23.1	34.5	6.2	899
09-11	18.3			21.7						22.6	38.4	6.5	940
12-14	12.0			23.7						24.0	40.3	6.9	940
15-17	12.8			29.3						22.1	35.8	6.4	930
18-20	17.9			29.0						21.8	31.3	6.0	930
21-23	32.7			24.0						11.8	21.6	4.9	930
TOTALS	24.0			22.9						18.7	34.4	5.6	7163

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												MEAN	TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	33.2			14.0						9.0	43.8	5.6	930
03-05	34.4			15.4						11.2	35.9	5.4	927
06-08	20.8			21.6						16.8	40.9	6.2	930
09-11	16.7			14.9						17.7	46.7	6.8	930
12-14	13.0			18.1						23.0	45.7	7.2	930
15-17	13.7			21.7						22.7	41.9	6.9	930
18-20	18.3			22.5						19.6	39.7	6.4	930
21-23	28.8			16.6						16.6	39.0	5.6	929
TOTALS	22.4			18.6						27.0	42.1	6.3	7436

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											TOTAL OBS		
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
03-02	27.8			11.1						10.5	61.6	6.3	842
03-05	26.7			11.6						10.1	61.6	6.4	844
06-08	21.5			16.2						13.2	49.0	6.5	847
09-11	14.0			18.9						14.6	62.5	7.1	848
12-14	13.4			19.6						19.9	47.1	7.1	849
15-17	13.1			17.7						19.3	49.4	7.3	849
18-20	17.7			17.7						12.2	62.5	6.9	848
21-23	24.2			12.9						13.2	52.7	6.6	847
TOTALS	19.8			15.7						13.8	60.7	6.5	7104

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											TOTAL OBS		
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
03-02	29.1			13.1						10.7	47.2	6.1	919
03-05	27.7			13.2						9.6	49.6	6.2	918
06-08	21.9			16.6						12.2	49.3	6.5	917
09-11	14.9			17.2						17.8	50.0	7.1	917
12-14	13.9			18.4						15.8	51.8	7.2	924
15-17	15.7			19.4						16.2	44.8	6.4	916
18-20	23.8			19.8						11.0	44.8	6.1	917
21-23	29.4			12.2						10.9	47.5	6.1	916
TOTALS	22.1			16.3						13.1	46.6	6.5	7384

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87  
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											TOTAL OBS
MONTH	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	24.8		15.8				13.0	46.4	6.3	7372
FEB		18.4		17.1				13.8	50.7	6.6	6719
MAR		19.1		17.9				15.3	47.7	6.7	7417
APR		23.3		26.1				17.7	79.0	6.1	7177
MAY		17.5		23.5				21.5	77.5	6.4	7420
JUN		14.6		24.2				25.1	71.0	6.2	7141
JUL		18.6		35.1				25.1	31.3	5.5	7435
AUG		20.8		29.9				23.1	26.2	5.6	7427
SEP		24.0		22.9				18.7	34.4	5.8	7159
OCT		22.4		18.6				17.0	42.1	6.3	7436
NOV		19.8		15.7				13.8	50.7	6.8	7164
DEC		22.1		16.3				13.1	45.6	6.5	7364
TOTALS		20.5		21.6				18.1	79.6	6.3	87324

PPPPPPPPP	AAAAAAA	RRRRRRR	TTTTTTT	EEEEEEEEE
PPPPPPPPP	AAAAAAA	RRRRRRRRR	TTTTTTTTT	EEEEEEEEE
EE	AA	RR	TT	EE
EP	AA	RR	TT	EE
EP	AA	RR	TT	EEEEE
PPPPPPPPP	AA	RRRRRRRRR	TT	EEEEE
PPPPPPPPP	AAAAAAA	RRRRRRRR	TT	EE
PP	AAAAAAA	RR	TT	EE
EP	AA	RR	TT	EEEEE
PP	AA	RR	TT	EEEEE
EE	AA	RR	TT	EEEEE

#### TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

##### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM) AND MEAN TEMPERATURES

DATA DERIVED FROM SUMMARY OF DRY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 1-Degree Fahrenheit INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

THE MINIMUM TABLE ALSO INCLUDES A .33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

##### EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DRY DATA.

PRESNTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

##### MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB) AND DEW POINT TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESNTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

##### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 7.743C

STATION NAME: VICTOR FLD FARGO ND

PERIOD OF RECORD: 46-87

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
OF 10°													0
OF 10.1													.2
OF 10.2													1.1
OF 10.3													3.5
OF 10.4													4.6
OF 10.5													17.6
OF 10.6													25.4
OF 10.7													32.7
OF 10.8													39.1
OF 10.9													44.9
OF 10.10													49.6
OF 10.11													54.2
OF 10.12													58.4
OF 10.13													63.2
OF 10.14													69.4
OF 10.15													75.2
OF 10.16													81.4
OF 10.17													85.8
OF 10.18													89.6
OF 10.19													92.1
OF 10.20													94.9
OF 10.21													96.4
OF 10.22													97.0
OF 10.23													97.2
OF 10.24													97.6
OF 10.25													97.8
OF 10.26													98.0
OF 10.27													98.2
OF 10.28													98.4
OF 10.29													98.6
OF 10.30													98.8
OF 10.31													99.0
OF 10.32													99.2
OF 10.33													99.4
OF 10.34													99.6
OF 10.35													99.8
OF 10.36													99.9
OF 10.37													100.0
MEAN	14.3	21.0	27.0	33.2	40.1	46.6	52.7	58.1	65.6	71.3	76.5	80.7	51.2
SD	14.126	12.567	12.667	13.516	11.398	8.443	6.652	4.471	11.174	11.943	12.957	13.064	26.762
TOTAL OBS	1240	1170	1140	1210	1090	1170	1170	1090	1170	1200	1170	1170	1459

GLOBAL CLIMATOLOGY BRANCH  
USAFTAC  
AIR WEATHER SERVICE/MAR

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727532	STATION NAME: RECTOR FLD FARGO ND												PERIOD OF RECORD: 48-67		
TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
OF -4.1															
OF -2.1															
OF 0.1															
OF 1.1															
OF 1.5															
OF 2.1															
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OF 30.1															
OF 30.5															
MEAN	-4.4	3.8	16.0	32.0	43.5	53.5	58.8	58.8	46.1	35.3	19.5	5.0	31.1		
%L	1	14.411	15.403	13.714	9.916	9.216	7.439	6.457	7.210	8.873	9.110	12.375	13.882	24.33	
TOTAL OPS	1	1240	1170	1240	1250	1240	1170	1209	1170	1209	1170	1209	1209	14796	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 70753L

STATION NAME: FECTOR FILE FARGO ND

PERIOD OF RECORD: 47-67

TEMP (F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
DE -5.1													.1
DE -5.0													.2
DE -4.9													.3
DE -4.8													.3
DE -4.7													.3
DE -4.6													.3
DE -4.5													.3
DE -4.4													.3
DE -4.3													.3
DE -4.2													.3
DE -4.1													.3
DE -4.0													.3
DE -3.9													.3
DE -3.8													.3
DE -3.7													.3
DE -3.6													.3
DE -3.5													.3
DE -3.4													.3
DE -3.3													.3
DE -3.2													.3
DE -3.1													.3
DE -3.0													.3
DE -2.9													.3
DE -2.8													.3
DE -2.7													.3
DE -2.6													.3
DE -2.5													.3
DE -2.4													.3
DE -2.3													.3
DE -2.2													.3
DE -2.1													.3
DE -2.0													.3
DE -1.9													.3
DE -1.8													.3
DE -1.7													.3
DE -1.6													.3
DE -1.5													.3
DE -1.4													.3
DE -1.3													.3
DE -1.2													.3
DE -1.1													.3
DE -1.0													.3
DE -0.9													.3
DE -0.8													.3
DE -0.7													.3
DE -0.6													.3
DE -0.5													.3
DE -0.4													.3
DE -0.3													.3
DE -0.2													.3
DE -0.1													.3
DE 0.0													.3
MEAN	5.0	12.0	25.0	42.0	56.0	65.3	74.0	78.1	80.5	82.3	84.4	84.6	5.0
%C	14.00	14.10	12.01	11.00	8.31	7.11	5.97	7.77	9.11	9.58	11.97	11.95	25.145
PERCENT	174.0	113.0	14.0	12.0	11.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	143.9

**GENERAL INFORMATION** **ON** **SOCIAL  
STRUCTURE**

## EXTREME VALUES OF MAXIMUM TEMPERATURE OVER 100 YEARS IN U.S.A.

STATION NUMBER: 71501 STATION NAME: MELTON FISH FARM

CRITICAL APPRAISAL

Year	Annual Performance Indicators										Overall Rating
	Revenue	Profit	Margin	EBITDA	EPS	Debt	Cash Flow	Risk	ESG Score	Innovation	
2016	\$1.2M	\$0.1M	8%	\$0.2M	\$0.05	\$0.5M	\$0.1M	Low	85	78	A+
2017	\$1.5M	\$0.2M	10%	\$0.3M	\$0.06	\$0.4M	\$0.15M	Medium	88	82	A
2018	\$2.0M	\$0.3M	12%	\$0.4M	\$0.07	\$0.3M	\$0.2M	Medium	90	85	A-
2019	\$2.5M	\$0.4M	14%	\$0.5M	\$0.08	\$0.2M	\$0.25M	Medium	92	88	A-
2020	\$3.0M	\$0.5M	16%	\$0.6M	\$0.09	\$0.1M	\$0.3M	Medium	94	90	A-
2021	\$3.5M	\$0.6M	18%	\$0.7M	\$0.10	\$0.05M	\$0.35M	Medium	96	92	A-
2022	\$4.0M	\$0.7M	20%	\$0.8M	\$0.11	\$0.02M	\$0.4M	Medium	98	94	A-
2023	\$4.5M	\$0.8M	22%	\$0.9M	\$0.12	\$0.01M	\$0.45M	Medium	100	96	A-
2024	\$5.0M	\$0.9M	24%	\$1.0M	\$0.13	\$0.005M	\$0.5M	Medium	102	98	A-
2025	\$5.5M	\$1.0M	26%	\$1.1M	\$0.14	\$0.002M	\$0.55M	Medium	104	100	A-
2026	\$6.0M	\$1.1M	28%	\$1.2M	\$0.15	\$0.001M	\$0.6M	Medium	106	102	A-
2027	\$6.5M	\$1.2M	30%	\$1.3M	\$0.16	\$0.0005M	\$0.65M	Medium	108	104	A-
2028	\$7.0M	\$1.3M	32%	\$1.4M	\$0.17	\$0.0002M	\$0.7M	Medium	110	106	A-
2029	\$7.5M	\$1.4M	34%	\$1.5M	\$0.18	\$0.0001M	\$0.75M	Medium	112	108	A-
2030	\$8.0M	\$1.5M	36%	\$1.6M	\$0.19	\$0.00005M	\$0.8M	Medium	114	110	A-
2031	\$8.5M	\$1.6M	38%	\$1.7M	\$0.20	\$0.00002M	\$0.85M	Medium	116	112	A-
2032	\$9.0M	\$1.7M	40%	\$1.8M	\$0.21	\$0.00001M	\$0.9M	Medium	118	114	A-
2033	\$9.5M	\$1.8M	42%	\$1.9M	\$0.22	\$0.000005M	\$0.95M	Medium	120	116	A-
2034	\$10.0M	\$1.9M	44%	\$2.0M	\$0.23	\$0.000002M	\$1.0M	Medium	122	118	A-
2035	\$10.5M	\$2.0M	46%	\$2.1M	\$0.24	\$0.000001M	\$1.05M	Medium	124	120	A-
2036	\$11.0M	\$2.1M	48%	\$2.2M	\$0.25	\$0.0000005M	\$1.1M	Medium	126	122	A-
2037	\$11.5M	\$2.2M	50%	\$2.3M	\$0.26	\$0.0000002M	\$1.15M	Medium	128	124	A-
2038	\$12.0M	\$2.3M	52%	\$2.4M	\$0.27	\$0.0000001M	\$1.2M	Medium	130	126	A-
2039	\$12.5M	\$2.4M	54%	\$2.5M	\$0.28	\$0.00000005M	\$1.25M	Medium	132	128	A-
2040	\$13.0M	\$2.5M	56%	\$2.6M	\$0.29	\$0.00000002M	\$1.3M	Medium	134	130	A-
2041	\$13.5M	\$2.6M	58%	\$2.7M	\$0.30	\$0.00000001M	\$1.35M	Medium	136	132	A-
2042	\$14.0M	\$2.7M	60%	\$2.8M	\$0.31	\$0.000000005M	\$1.4M	Medium	138	134	A-
2043	\$14.5M	\$2.8M	62%	\$2.9M	\$0.32	\$0.000000002M	\$1.45M	Medium	140	136	A-
2044	\$15.0M	\$2.9M	64%	\$3.0M	\$0.33	\$0.000000001M	\$1.5M	Medium	142	138	A-
2045	\$15.5M	\$3.0M	66%	\$3.1M	\$0.34	\$0.0000000005M	\$1.55M	Medium	144	140	A-
2046	\$16.0M	\$3.1M	68%	\$3.2M	\$0.35	\$0.0000000002M	\$1.6M	Medium	146	142	A-
2047	\$16.5M	\$3.2M	70%	\$3.3M	\$0.36	\$0.0000000001M	\$1.65M	Medium	148	144	A-
2048	\$17.0M	\$3.3M	72%	\$3.4M	\$0.37	\$0.00000000005M	\$1.7M	Medium	150	146	A-
2049	\$17.5M	\$3.4M	74%	\$3.5M	\$0.38	\$0.00000000002M	\$1.75M	Medium	152	148	A-
2050	\$18.0M	\$3.5M	76%	\$3.6M	\$0.39	\$0.00000000001M	\$1.8M	Medium	154	150	A-
2051	\$18.5M	\$3.6M	78%	\$3.7M	\$0.40	\$0.000000000005M	\$1.85M	Medium	156	152	A-
2052	\$19.0M	\$3.7M	80%	\$3.8M	\$0.41	\$0.000000000002M	\$1.9M	Medium	158	154	A-
2053	\$19.5M	\$3.8M	82%	\$3.9M	\$0.42	\$0.000000000001M	\$1.95M	Medium	160	156	A-
2054	\$20.0M	\$3.9M	84%	\$4.0M	\$0.43	\$0.0000000000005M	\$2.0M	Medium	162	158	A-
2055	\$20.5M	\$4.0M	86%	\$4.1M	\$0.44	\$0.0000000000002M	\$2.05M	Medium	164	160	A-
2056	\$21.0M	\$4.1M	88%	\$4.2M	\$0.45	\$0.0000000000001M	\$2.1M	Medium	166	162	A-
2057	\$21.5M	\$4.2M	90%	\$4.3M	\$0.46	\$0.00000000000005M	\$2.15M	Medium	168	164	A-
2058	\$22.0M	\$4.3M	92%	\$4.4M	\$0.47	\$0.00000000000002M	\$2.2M	Medium	170	166	A-
2059	\$22.5M	\$4.4M	94%	\$4.5M	\$0.48	\$0.00000000000001M	\$2.25M	Medium	172	168	A-
2060	\$23.0M	\$4.5M	96%	\$4.6M	\$0.49	\$0.000000000000005M	\$2.3M	Medium	174	170	A-
2061	\$23.5M	\$4.6M	98%	\$4.7M	\$0.50	\$0.000000000000002M	\$2.35M	Medium	176	172	A-
2062	\$24.0M	\$4.7M	100%	\$4.8M	\$0.51	\$0.000000000000001M	\$2.4M	Medium	178	174	A-
2063	\$24.5M	\$4.8M	102%	\$4.9M	\$0.52	\$0.0000000000000005M	\$2.45M	Medium	180	176	A-
2064	\$25.0M	\$4.9M	104%	\$5.0M	\$0.53	\$0.0000000000000002M	\$2.5M	Medium	182	178	A-
2065	\$25.5M	\$5.0M	106%	\$5.1M	\$0.54	\$0.0000000000000001M	\$2.55M	Medium	184	180	A-
2066	\$26.0M	\$5.1M	108%	\$5.2M	\$0.55	\$0.00000000000000005M	\$2.6M	Medium	186	182	A-
2067	\$26.5M	\$5.2M	110%	\$5.3M	\$0.56	\$0.00000000000000002M	\$2.65M	Medium	188	184	A-
2068	\$27.0M	\$5.3M	112%	\$5.4M	\$0.57	\$0.00000000000000001M	\$2.7M	Medium	190	186	A-
2069	\$27.5M	\$5.4M	114%	\$5.5M	\$0.58	\$0.000000000000000005M	\$2.75M	Medium	192	188	A-
2070	\$28.0M	\$5.5M	116%	\$5.6M	\$0.59	\$0.000000000000000002M	\$2.8M	Medium	194	190	A-
2071	\$28.5M	\$5.6M	118%	\$5.7M	\$0.60	\$0.000000000000000001M	\$2.85M	Medium	196	192	A-
2072	\$29.0M	\$5.7M	120%	\$5.8M	\$0.61	\$0.0000000000000000005M	\$2.9M	Medium	198	194	A-
2073	\$29.5M	\$5.8M	122%	\$5.9M	\$0.62	\$0.0000000000000000002M	\$2.95M	Medium	200	196	A-
2074	\$30.0M	\$5.9M	124%	\$6.0M	\$0.63	\$0.0000000000000000001M	\$3.0M	Medium	202	198	A-
2075	\$30.5M	\$6.0M	126%	\$6.1M	\$0.64	\$0.00000000000000000005M	\$3.05M	Medium	204	200	A-
2076	\$31.0M	\$6.1M	128%	\$6.2M	\$0.65	\$0.00000000000000000002M	\$3.1M	Medium	206	202	A-
2077	\$31.5M	\$6.2M	130%	\$6.3M	\$0.66	\$0.00000000000000000001M	\$3.15M	Medium	208	204	A-
2078	\$32.0M	\$6.3M	132%	\$6.4M	\$0.67	\$0.000000000000000000005M	\$3.2M	Medium	210	206	A-
2079	\$32.5M	\$6.4M	134%	\$6.5M	\$0.68	\$0.000000000000000000002M	\$3.25M	Medium	212	208	A-
2080	\$33.0M	\$6.5M	136%	\$6.6M	\$0.69	\$0.000000000000000000001M	\$3.3M	Medium	214	210	A-
2081	\$33.5M	\$6.6M	138%	\$6.7M	\$0.70	\$0.0000000000000000000005M	\$3.35M	Medium	216	212	A-
2082	\$34.0M	\$6.7M	140%	\$6.8M	\$0.71	\$0.0000000000000000000002M	\$3.4M	Medium	218	214	A-
2083	\$34.5M	\$6.8M	142%	\$6.9M	\$0.72	\$0.0000000000000000000001M	\$3.45M	Medium	220	216	A-
2084	\$35.0M	\$6.9M	144%	\$7.0M	\$0.73	\$0.00000000000000000000005M	\$3.5M	Medium	222	218	A-
2085	\$35.5M	\$7.0M	146%	\$7.1M	\$0.74	\$0.0000000000000000000002M	\$3.55M	Medium	224	220	A-
2086	\$36.0M	\$7.1M	148%	\$7.2M	\$0.75	\$0.0000000000000000000001M	\$3.6M	Medium	226	222	A-
2087	\$36.5M	\$7.2M	150%	\$7.3M	\$0.76	\$0.00000000000000000000005M	\$3.65M	Medium	228	224	A-
2088	\$37.0M	\$7.3M	152%	\$7.4M	\$0.77	\$0.0000000000000000000002M	\$3.7M	Medium	230	226	A-
2089	\$37.5M	\$7.4M	154%	\$7.5M	\$0.78	\$0.0000000000000000000001M	\$3.75M	Medium	232	228	A-
2090	\$38.0M	\$7.5M	156%	\$7.6M	\$0.79	\$0.00000000000000000000005M	\$3.8M	Medium	234	230	A-
2091	\$38.5M	\$7.6M	158%	\$7.7M	\$0.80	\$0.0000000000000000000002M	\$3.85M	Medium	236	232	A-
2092	\$39.0M	\$7.7M	160%	\$7.8M	\$0.81	\$0.0000000000000000000001M	\$3.9M	Medium	238	234	A-
2093	\$39.5M	\$7.8M	162%	\$7.9M	\$0.82	\$0.00000000000000000000005M	\$3.95M	Medium	240	236	A-
2094	\$40.0M	\$7.9M	164%	\$8.0M	\$0.83	\$0.0000000000000000000002M	\$4.0M	Medium	242	238	A-
2095	\$40.5M	\$8.0M	166%	\$8.1M	\$0.84	\$0.0000000000000000000001M	\$4.05M	Medium	244	240	A-
2096	\$41.0M	\$8.1M	168%	\$8.2M	\$0.85	\$0.00000000000000000000005M	\$4.1M	Medium	246	242	A-
2097	\$41.5M	\$8.2M	170%	\$8.3M	\$0.86	\$0.0000000000000000000002M	\$4.15M	Medium	248	244	A-
2098	\$42.0M	\$8.3M	172%	\$8.4M	\$0.87	\$0.0000000000000000000001M	\$4.2M	Medium	250	246	A-
2099	\$42.5M	\$8.4M	174%	\$8.5M	\$0.88	\$0.00000000000000000000005M	\$4.25M	Medium	252	248	A-
2100	\$43.0M	\$8.5M	176%	\$8.6M	\$0.89	\$0.0000000000000000000002M	\$4.3M	Medium	254	250	A-
2101	\$43.5M	\$8.6M	178%	\$8.7M	\$0.90	\$0.0000000000000000000001M	\$4.35M	Medium	256	252	A-
2102	\$44.0M	\$8.7M	180%	\$8.8M	\$0.91	\$0.00000000000000000000005M	\$4.4M	Medium	258	254	A-
2103	\$44.5M	\$8.8M	182%	\$8.9M	\$0.92	\$0.0000000000000000000002M	\$4.45M	Medium	260	256	A-
2104	\$45.0M	\$8.9M	184%	\$9.0M	\$0.93	\$0.0000000000000000000001M	\$4.5M	Medium	262	258	A-
2105	\$45.5M	\$9.0M	186%	\$9.1M	\$0.94	\$0.00000000000000000000005M	\$4.55M	Medium	264	260	A-
2106	\$46.0M	\$9.1M	188%	\$9.2M	\$0.95	\$0.0000000000000000000002M	\$4.6M	Medium	266	262	A-
2107	\$46.5M	\$9.2M	190%	\$9.3M	\$0.96	\$0.0000000000000000000001M	\$4.65M	Medium	268	264	A-
2108	\$47.0M	\$9.3M	192%	\$9.4M	\$0.97	\$0.00000000000000000000005M	\$4.7M	Medium	270	266	A-
2109	\$47.5M	\$9.4M	194%	\$9.5M	\$0.98	\$0.0000000000000000000002M	\$4.75M	Medium	272	268	A-
2110	\$48.0M	\$9.5M	196%	\$9.6M	\$0.99	\$0.0000000000000000000001M	\$4.8M	Medium	274	270	A-
2111	\$48.5M	\$9.6M	198%	\$9.7M	\$1.00	\$0.00000000000000000000005M	\$4.85M	Medium	276	272	A-
2112	\$49.0M	\$9.7M	200%	\$9.8M	\$1.01	\$0.0000000000000000000002M	\$4.9M	Medium	278	274	A-
2113	\$49.5M	\$9.8M	202%	\$9.9M	\$1.02	\$0.0000000000000000000001M	\$4.95M	Medium	280	276	A-
2114	\$50.0M	\$9.9M	204%	\$10.0M	\$1.03	\$0.00000000000000000000005M	\$5.0M	Medium	282	278	A-
2115	\$50.5M	\$10.0M	206%	\$10.1M	\$1.04	\$0.0000000000000000000002M	\$5.05M	Medium	284	280	A-
2116	\$51.0M	\$10.1M	208%	\$10.2M	\$1.05	\$0.0000000000000000000001M	\$5.1M	Medium	286	282	A-
2117	\$51.5M	\$10.2M	210%	\$10.3M	\$1.06</td						

NOTES - GRADED ON ELLIOT DEAN FULL MONTHS  
- AT LEAST ONE DAY LESS THAN A MONTH

LIBRARY OF THE STATE OF ARKANSAS

CLimatological Service  
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U.S. Atm. Service

EXTREME VALUES OF MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 74031 STATION NAME: BECTON FLD, PARSONS

PERIOD OF RECORD: 47-57

DECADE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN SOURCE OF DATA	
													1	2
1940	55	55	56	71	81	87	94	96	89	79	71	63	58	58
1941	59	59	59	69	77	85	91	94	88	79	71	67	56	56
1942	57	57	54	70	87	91	96	93	87	78	70	67	57	57
1943	57	57	57	67	77	86	94	94	88	79	70	65	54	54
1944	57	57	57	67	77	87	94	94	87	78	70	65	54	54
1945	57	57	57	67	77	87	94	94	87	78	70	65	54	54
1946	57	57	57	67	77	87	93	93	87	78	70	65	54	54
1947	57	57	57	67	77	87	93	93	87	78	70	65	54	54
1948	57	57	57	67	77	87	93	93	87	78	70	65	54	54
1949	57	57	57	67	77	87	93	93	87	78	70	65	54	54
1950	57	57	57	67	77	87	93	93	87	78	70	65	54	54
MEAN	57.0	57.0	57.0	71.0	81.0	87.0	94.0	94.0	87.0	78.0	71.0	65.0	57.0	57.0
STD.	6.1	6.1	6.1	10.8	8.6	8.6	9.4	9.4	8.6	7.5	6.6	6.1	5.8	5.8
TOTAL	114.0	114.0	114.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	174.0	145.0	145.0

MEAN = MEAN OF THE 12 MONTH PERIOD  
STD. = STANDARD DEVIATION FOR THE 12 MONTH PERIOD

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AMFC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 207530 STATION NAME: FORTRESS FARGO NC

PERIOD OF RECORD: 1948-67

YEAR	MEAN DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
48	-24	-27	-24	-1	30	42	52	57	56	46	36	22	-24
49	-26	-24	-10	2	24	36	47	46	46	37	27	12	-25
50	-27	-25	-24	1	32	37	47	47	47	37	27	13	-24
51	-26	-25	-18	2	32	39	47	49	45	35	24	12	-26
52	-27	-25	-22	21	26	43	44	44	37	27	21	12	-25
53	-27	-21	-26	5	24	37	47	47	37	27	14	1	-27
54	-27	-25	-22	1	24	39	47	46	31	27	14	12	-27
55	-28	-26	-16	2	22	45	56	45	26	18	11	1	-27
56	-21	-26	-27	18	28	35	47	42	27	13	1	1	-25
57	-27	-24	-27	1	22	39	47	46	24	18	12	1	-27
58	-26	-25	-10	19	22	37	44	44	37	27	12	14	-25
59	-27	-24	-1	18	27	47	47	47	37	27	14	1	-28
60	-21	-27	-16	14	26	37	44	43	31	27	12	1	-27
61	-27	-21	-12	1	25	41	47	42	24	17	10	1	-27
62	-26	-23	-13	14	32	47	47	49	32	26	14	1	-26
63	-27	-26	-26	8	21	40	44	46	34	24	12	1	-27
64	-27	-23	-21	1	31	44	47	42	34	27	12	1	-27
65	-25	-27	-10	6	35	4	47	47	26	19	12	1	-27
66	-27	-21	-16	11	21	36	42	44	29	17	8	1	-27
67	-26	-26	-24	1	21	36	47	47	24	17	10	1	-27
68	-24	-28	-21	11	31	39	47	47	35	28	12	1	-27
69	-27	-21	-24	17	24	4	47	47	37	19	12	1	-27
70	-27	-26	-7	19	26	41	47	47	37	27	12	1	-27
71	-27	-26	-2	19	31	47	47	47	37	27	12	1	-27
72	-27	-27	-2	17	27	38	47	47	37	27	12	1	-27
73	-21	-21	-16	1	21	47	47	47	37	27	12	1	-27
74	-27	-21	-24	1	27	47	47	47	37	27	12	1	-27
75	-27	-21	-21	2	27	47	47	47	34	27	12	1	-27
76	-27	-21	-2	19	27	47	47	47	37	27	12	1	-27
77	-27	-21	-2	19	3	47	47	47	37	27	12	1	-27

NOTES: \* DRAINED ON 12/25, THEN FULL MONTHS

\*\* LAST DAY OF ONE YEAR IS FIRST DAY OF NEXT YEAR (GST)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY PROGRAM  
USAF/TAC  
AIR WEATHER SERVICE/NAWC

EXTREME VALUES OF MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 77730 STATION NAME: HECTER FIELD AIRPORT

PERIOD OF RECORD: 1951-52

YEAR	MONTHLY MEANS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
51	-2.0	-1.4	-0.6	2.0	5.5	9.7	14.7	19.7	24.8	19.7	14.3	7.8	1.8
52	-2.0	-1.9	-1.1	2.5	5.7	10.1	14.7	20.5	24.7	19.7	14.8	7.8	1.8
53	-2.9	-1.6	-0.5	2.1	5.7	9.6	14.6	19.8	24.7	19.7	14.8	7.7	1.7
54	-2.7	-1.3	-0.2	1.8	5.8	9.7	14.7	19.7	24.8	19.7	14.7	7.8	1.8
55	-2.5	-1.5	-0.7	1.5	5.6	9.7	14.7	19.7	24.7	19.7	14.7	7.7	1.7
56	-2.0	-1.6	-0.5	2.0	5.4	9.5	14.5	19.5	24.5	19.5	14.5	7.5	1.5
57	-2.1	-1.5	-0.6	2.2	5.2	9.1	14.3	19.7	24.9	19.7	14.6	7.6	1.6
58	-2.2	-1.5	-0.4	2.2	5.0	8.9	14.1	19.5	24.7	19.5	14.5	7.5	1.5
59	-2.4	-1.3	-0.2	2.1	4.8	8.7	13.9	19.3	24.5	19.3	14.3	7.3	1.3
60	-2.3	-1.2	-0.1	2.0	4.6	8.5	13.7	19.1	24.3	19.1	14.1	7.1	1.1
61	-2.2	-1.1	-0.1	1.9	4.4	8.3	13.5	18.9	24.1	19.1	14.0	7.0	1.0
MEAN	-2.119	-1.316	-0.461	1.947	5.077	9.527	14.547	19.48	24.42	19.37	14.37	7.37	1.37
SD.	0.111	0.169	0.174	0.261	0.158	0.186	0.142	0.167	0.195	0.186	0.176	0.165	0.165
TOTAL OBS	1,847	1,177	1,087	1,267	1,290	1,175	1,059	1,039	1,177	1,149	1,177	1,149	1,149

NOTES: \* BASED ON LESS THAN FULL MONTHS  
# AT LEAST ONE DAY LESS THAN 24 OBS

GLOBAL CLIMATOLOGY BRANCH  
USAF/LTAC  
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727630 STATION NAME: FECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87

MONTH	STAT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1	MEAN	6.3	12.2	24.0	36.9	51.3	58.6	64.9	62.0	52.6	41.5	26.1	10.7	37.6
1	SD	15.391	16.264	12.465	9.625	9.594	7.737	6.222	7.327	9.358	8.605	13.362	14.572	23.121
1	TOT OBS	930	946	930	930	930	930	930	930	930	930	930	930	10956
2	MEAN	5.3	11.1	23.6	36.3	49.1	58.3	62.2	59.4	50.2	39.5	23.9	10.2	35.6
2	SD	15.052	16.560	12.454	9.252	9.066	7.826	6.980	7.368	9.459	8.571	13.174	14.723	27.571
2	TOT OBS	930	946	930	930	930	930	930	930	930	930	930	930	10956
3	MEAN	4.6	11.4	23.5	37.5	50.9	59.3	64.9	60.9	55.6	39.3	22.9	7.5	36.4
3	SD	15.809	16.677	12.697	9.614	9.529	6.620	5.691	6.997	9.115	8.449	13.006	14.726	27.570
3	TOT OBS	930	846	930	930	930	930	930	930	930	930	930	930	10956
4	MEAN	6.6	13.3	27.1	45.8	60.0	67.0	73.2	69.7	58.7	45.6	26.6	11.1	42.2
4	SD	15.572	16.221	12.340	11.919	10.751	7.263	6.083	7.274	9.634	8.609	13.374	14.374	25.472
4	TOT OBS	930	946	930	930	930	930	930	930	930	930	930	930	10956
5	MEAN	6.6	13.3	27.1	45.8	60.0	67.0	73.2	69.7	58.7	45.6	26.6	11.1	42.2
5	SD	15.111	15.572	16.221	12.340	11.919	10.751	7.263	6.083	7.274	9.634	8.609	13.374	14.374
5	TOT OBS	930	946	930	930	930	930	930	930	930	930	930	930	10956
6	MEAN	11.1	18.0	21.4	51.7	65.6	71.8	76.9	75.7	65.0	51.4	21.6	10.2	47.9
6	SD	15.118	15.283	12.466	13.471	11.567	8.050	6.610	8.272	11.206	10.597	14.634	14.311	24.675
6	TOT OBS	930	946	930	930	930	930	930	930	930	930	930	930	10956
7	MEAN	12.3	19.7	23.1	37.7	67.2	73.3	80.8	77.3	66.7	52.7	32.0	15.6	48.4
7	SD	14.871	14.747	12.594	13.817	11.576	8.307	6.663	8.599	11.773	10.464	14.850	14.306	26.465
7	TOT OBS	930	946	930	930	930	930	930	930	930	930	930	930	10956
8	MEAN	9.3	16.6	30.4	49.7	63.8	70.4	77.2	72.8	61.2	47.5	28.1	12.0	48.4
8	SD	14.820	15.016	11.636	12.884	10.989	7.769	6.599	8.323	10.762	9.401	13.830	14.478	26.447
8	TOT OBS	930	846	930	930	927	930	930	930	930	930	930	930	10953
9	MEAN	7.5	14.2	27.1	43.0	56.2	62.8	69.3	65.6	55.3	43.6	26.1	11.5	40.1
9	SD	15.051	15.664	11.608	10.642	9.845	7.542	6.317	7.598	9.694	8.988	13.576	14.556	29.191
9	TOT OBS	930	846	930	930	927	930	930	930	930	930	930	930	10953
10	MEAN	7.9	14.4	27.5	44.6	57.9	64.9	71.4	68.0	57.5	45.1	27.0	12.1	41.1
10	SD	15.494	16.126	12.727	13.197	12.927	9.877	9.193	10.090	11.795	10.384	14.076	14.647	26.473
10	TOT OBS	7440	6768	7440	7230	7434	7203	7440	7200	7440	7200	7440	7200	87647

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

NET-BULB TEMPERATURES deg F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
1	MEAN	5.7	11.5	23.4	35.2	45.7	54.1	60.8	58.1	49.0	36.4	23.5	10.1	34.7
10-32	SD	15.035	15.832	11.780	7.963	8.688	7.050	5.737	6.935	8.512	7.747	12.570	14.286	21.516
	ITOT OPSI	929	846	930	930	930	930	930	930	930	930	930	930	10955
1	MEAN	4.7	10.5	22.4	33.4	43.8	52.6	59.2	56.5	47.4	37.1	22.5	9.6	33.4
10-35	SD	15.377	16.185	11.993	7.855	9.071	7.253	6.057	7.137	8.137	7.773	12.491	14.451	21.317
	ITOT OPSI	930	846	930	930	930	930	930	930	930	930	930	930	10956
1	MEAN	4.1	9.8	21.0	34.3	45.7	54.9	61.0	57.6	47.8	36.7	21.7	8.9	33.5
10-58	SD	15.639	16.299	12.240	8.152	8.662	6.455	5.375	6.705	8.492	7.758	12.430	14.442	22.114
	ITOT OPSI	930	846	930	930	900	930	930	930	930	930	930	929	10955
1	MEAN	6.0	12.4	25.0	39.4	50.7	56.8	65.1	62.2	52.7	41.3	24.7	10.4	37.5
10-11	SD	15.134	15.698	11.527	8.799	8.262	5.976	5.121	6.148	7.996	7.201	12.276	14.015	22.880
	ITOT OPSI	930	846	930	930	900	930	930	930	930	930	930	930	10956
1	MEAN	10.0	16.5	26.2	42.5	53.0	62.6	68.8	64.1	55.4	44.7	28.2	13.5	46.4
12-14	SD	14.386	14.395	11.324	8.952	8.340	6.048	5.321	6.308	8.070	7.571	12.472	13.613	22.008
	ITOT OPSI	930	846	930	930	900	930	930	930	930	930	930	930	10956
1	MEAN	11.1	18.0	29.6	43.4	53.6	61.0	67.2	64.3	55.8	45.1	28.5	14.3	41.1
15-17	SD	14.111	13.871	13.035	8.752	7.838	6.112	5.223	6.321	8.044	7.773	12.556	13.659	21.750
	ITOT OPSI	930	846	930	930	900	930	930	930	930	930	930	930	10956
1	MEAN	3.5	15.4	27.0	41.4	51.9	59.9	66.2	62.8	53.4	42.1	25.8	11.7	39.0
18-20	SD	14.356	14.416	13.773	8.613	7.929	6.272	5.376	6.464	8.210	7.833	12.440	14.099	22.227
	ITOT OPSI	930	846	929	930	927	930	930	930	930	930	930	930	10952
1	MEAN	6.9	13.4	25.3	37.9	48.4	56.6	63.1	60.0	50.4	39.8	24.2	10.7	36.5
21-23	SD	14.670	15.200	11.000	8.115	8.298	6.681	5.579	6.883	8.314	7.936	12.474	14.257	21.754
	ITOT OPSI	926	846	930	930	927	930	930	930	930	930	930	930	10951
1	MEAN	7.1	13.4	25.4	38.4	49.1	57.3	63.7	60.7	51.5	40.6	24.9	11.2	37.1
ALL	SD	14.992	15.498	11.685	9.142	9.060	7.146	6.189	7.219	8.853	8.264	12.669	14.219	22.115
	ITOT OPSI	7437	6768	7439	7200	7434	7200	7440	7442	7200	7440	7200	7439	87637

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00-02	MEAN	-5	6.5	19.2	29.7	33.2	50.4	58.1	55.1	45.6	34.3	19.2	4.5	30.2
00-02	SD	17.724	18.413	13.491	8.314	10.808	8.633	6.410	7.834	9.190	8.477	13.650	17.874	23.022
00-02	TOT OPS	929	846	930	900	930	900	930	900	900	930	900	930	10956
03-05	MEAN	-1.5	5.4	16.3	28.7	38.7	49.7	57.0	54.2	44.7	33.5	18.5	4.1	29.4
03-05	SD	18.148	18.764	13.761	8.227	10.751	7.922	6.447	7.785	9.231	8.357	13.631	17.279	23.088
03-05	TOT OPS	930	846	930	900	930	900	930	900	900	930	900	930	10956
06-08	MEAN	-2.1	4.6	17.8	29.4	40.3	51.4	58.4	55.1	45.2	33.4	17.8	3.4	29.7
06-08	SD	18.361	18.873	14.612	8.563	10.302	7.372	5.916	7.328	8.998	8.229	13.612	17.346	23.476
06-08	TOT OPS	930	846	930	900	930	900	930	900	900	930	900	930	10956
09-11	MEAN	-5	7.0	19.6	30.9	41.4	52.6	60.0	57.1	47.5	36.0	19.9	4.6	31.5
09-11	SD	17.899	18.162	13.329	9.201	10.737	7.721	6.576	7.604	8.947	7.820	13.286	16.856	23.620
09-11	TOT OPS	930	846	930	900	930	900	930	900	900	930	900	930	10956
12-14	MEAN	3.0	10.4	21.7	31.1	41.1	52.4	59.6	56.6	47.4	36.7	21.6	7.2	32.5
12-14	SD	16.918	16.479	12.392	9.364	11.095	8.408	7.473	8.442	9.816	8.548	12.923	16.275	23.327
12-14	TOT OPS	930	846	930	910	930	900	930	930	900	930	900	930	10956
15-17	MEAN	4.1	11.8	22.6	31.0	40.6	51.9	59.0	55.9	46.7	36.3	21.8	7.6	32.6
15-17	SD	16.643	15.961	11.963	9.254	11.372	8.741	7.688	8.694	10.086	9.037	12.929	16.453	21.775
15-17	TOT OPS	930	846	930	900	930	900	930	900	900	930	900	930	10956
18-20	MEAN	2.2	10.0	22.0	30.9	40.1	51.9	59.4	56.1	46.6	35.8	20.7	5.9	31.9
18-20	SD	16.974	16.669	12.217	9.164	11.455	8.860	7.485	8.365	9.632	8.867	13.060	16.913	22.485
18-20	TOT OPS	930	846	929	900	927	900	930	900	900	930	900	930	10956
21-23	MEAN	.8	8.2	20.8	30.7	40.1	51.6	59.1	55.9	46.0	34.9	19.6	5.1	31.2
21-23	SD	17.280	17.636	12.701	8.646	11.130	8.226	6.631	8.016	9.134	8.815	13.284	17.123	22.856
21-23	TOT OPS	926	846	930	900	927	900	930	900	900	930	900	930	10951
ALL	MEAN	.7	8.0	20.3	30.3	40.1	51.5	58.8	55.6	46.2	35.1	19.9	5.3	31.1
ALL	SD	17.588	17.811	13.106	8.890	10.989	8.221	6.910	8.061	9.429	8.604	13.359	16.969	22.900
ALL	TOT OPS	7437	6766	7439	7200	7434	7200	7440	7440	7200	7440	7200	7439	87637

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS**

### RELATIVE HUMIDITY

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	00-02	100.0	100.0	100.0	100.0	99.5	83.1	56.7	34.9	11.9	73.9	924	
	03-05	100.0	100.0	100.0	99.8	97.6	80.6	55.7	32.3	12.2	73.3	931	
	06-08	100.0	100.0	100.0	100.0	98.4	81.7	54.7	32.9	12.2	73.4	931	
	09-11	100.0	100.0	100.0	99.9	97.6	79.5	53.8	27.6	9.5	72.3	931	
	12-14	100.0	100.0	100.0	100.0	95.6	75.9	45.8	18.1	4.7	69.6	931	
	15-17	100.0	100.0	100.0	99.7	95.9	72.5	44.8	19.6	6.2	69.7	930	
	18-20	100.0	100.0	100.0	100.0	98.7	81.0	56.1	28.8	8.4	72.7	931	
	21-23	100.0	100.0	100.0	100.0	99.2	83.1	56.1	32.7	11.6	73.7	928	
	TOTALS	100.0	100.0	100.0	94.9	97.7	79.7	53.0	28.4	9.6	72.3	7437	

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: FEB

MONTH	FOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NUM OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			
FEB	00-02	100.0	100.0	100.0	99.9	99.1	90.2	67.3	44.3	15.2	76.9	846
	03-05	100.0	100.0	100.0	100.0	99.5	91.0	64.9	44.6	16.5	77.2	846
	06-08	100.0	100.0	100.0	100.0	99.4	89.4	69.6	43.7	15.2	77.0	846
	09-11	100.0	100.0	100.0	100.0	99.5	87.7	65.4	38.2	11.3	75.6	846
	12-14	100.0	100.0	100.0	100.0	98.8	81.2	55.4	24.1	5.7	72.1	846
	15-17	100.0	100.0	100.0	99.9	97.0	77.9	54.8	24.8	6.3	71.6	846
	18-20	100.0	100.0	100.0	100.0	98.9	85.0	66.3	36.8	8.9	75.4	846
	21-23	100.0	100.0	100.0	100.0	99.8	90.1	67.4	42.4	13.8	76.8	846
	TOTALS	100.0	100.0	100.0	100.0	99.0	86.6	64.4	37.4	11.6	75.3	6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72 30 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 79-87  
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NUMBER OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			
MAR	03-02	100.0	100.0	100.0	99.9	98.1	92.2	80.4	54.4	15.3	77.6	931
	03-05	100.0	100.0	100.0	100.0	98.4	93.3	83.6	59.1	16.3	80.3	931
	06-08	100.0	100.0	100.0	100.0	99.0	93.5	82.4	58.0	18.5	80.4	930
	09-11	100.0	100.0	100.0	95.7	95.1	85.1	62.3	35.9	10.1	74.3	931
	12-14	100.0	100.0	98.1	95.5	90.3	72.4	46.1	21.6	5.5	68.7	931
	15-17	100.0	100.0	96.9	94.4	88.5	69.1	44.2	20.9	5.1	67.5	931
	18-20	100.0	100.0	99.1	97.7	95.1	81.5	60.0	32.7	8.4	72.8	925
	21-23	100.0	100.0	100.0	99.8	97.3	90.0	76.3	46.7	12.2	77.7	931
	TOTALS	100.0	100.0	99.3	98.3	95.0	84.7	66.6	41.2	11.4	75.2	7434

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
ATR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 78-87  
MONTH: APR

MONTH	(LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	98.9	94.9	88.3	75.4	57.1	35.9	9.7	71.4	901
	03-05	100.0	100.0	100.0	97.9	93.7	83.4	68.2	42.8	13.3	75.4	901
	06-08	100.0	100.0	99.9	99.0	91.4	81.3	63.7	40.2	11.3	74.2	901
	09-11	100.0	99.2	92.8	81.1	65.2	47.9	30.1	14.8	4.2	59.3	901
	12-14	100.0	93.8	79.2	61.3	46.3	32.3	19.2	9.0	2.4	50.0	901
	15-17	99.9	89.9	74.3	55.8	38.8	28.1	16.0	8.1	2.7	47.1	901
	18-20	100.0	94.3	82.1	69.6	54.3	39.9	24.0	10.2	3.6	53.3	901
	21-23	100.0	99.7	95.1	88.2	76.2	61.3	42.8	23.1	5.7	64.8	901
	TOTALS	100.0	97.1	90.3	81.0	69.3	56.1	40.1	23.0	6.5	61.9	7201

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OF HOURS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
		100.0	99.0	98.0	97.0	96.0	95.0	94.0	93.0	92.0		
MAY	00-07	100.0	100.0	99.2	64.9	74.2	59.2	43.4	27.8	6.5	65.8	931
	03-05	100.0	100.0	100.0	98.2	86.9	71.0	55.6	37.1	8.7	71.5	931
	06-08	100.0	100.0	99.8	95.6	83.3	63.8	45.7	27.6	7.0	68.1	931
	09-11	100.0	99.0	87.7	68.5	52.5	35.7	23.0	12.2	2.8	53.7	930
	12-14	100.0	92.4	69.4	49.2	35.5	24.1	15.1	7.1	1.7	45.1	931
	15-17	100.0	89.7	61.7	43.1	30.1	21.4	14.3	6.6	2.3	42.4	931
	18-20	100.0	94.0	71.1	51.0	35.8	26.3	16.9	8.3	2.9	46.2	927
	21-23	100.0	99.7	93.1	75.8	59.5	44.7	31.2	18.2	4.2	58.2	927
	TOTALS	100.0	96.9	85.3	71.4	57.2	43.3	30.7	18.1	4.5	56.4	7436

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUN

MONTH	FOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN							MEAN	TOTAL		
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.0	94.0	83.8	68.7	40.9	9.7	75.5	901
	03-05	100.0	100.0	100.0	99.9	98.0	91.9	61.0	57.8	15.0	90.3	901
	06-08	100.0	100.0	100.0	99.8	97.9	66.7	67.9	38.7	9.6	75.9	901
	09-11	100.0	100.0	99.0	92.6	73.3	48.6	26.9	14.6	2.8	61.6	901
	12-14	100.0	99.7	94.3	77.1	49.0	30.1	17.4	8.7	.9	53.0	901
	15-17	100.0	99.0	89.7	61.8	39.9	25.9	12.8	6.6	2.0	49.7	901
	18-20	100.0	99.4	94.6	76.2	54.7	34.3	18.9	6.6	1.9	54.3	901
	21-23	100.0	100.0	99.8	95.8	85.7	68.0	47.2	22.3	4.7	68.3	901
	TOTALS	100.0	99.8	97.2	87.2	74.1	58.7	42.6	24.5	5.8	64.8	7201

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN (RELATIVE HUMIDITY)	TOTAL HOURS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	02-02	100.0	100.0	100.0	100.0	99.7	94.1	76.5	47.6	12.7	78.9	931
	03-05	100.0	100.0	100.0	100.0	100.0	98.7	89.8	64.6	20.0	63.4	932
	06-08	100.0	100.0	100.0	100.0	99.5	96.2	80.4	48.4	13.2	79.9	930
	09-11	100.0	100.0	100.0	96.9	85.3	59.0	32.0	13.2	2.8	64.6	930
	12-14	100.0	100.0	97.2	80.1	53.7	25.6	13.0	4.0	1.1	53.2	931
	15-17	100.0	99.6	93.5	70.5	42.4	19.7	7.3	2.2		49.0	931
	18-20	100.0	99.8	97.5	85.6	61.9	33.0	17.0	6.2	.6	55.9	931
	21-23	100.0	100.0	100.0	99.9	95.4	79.1	50.9	24.5	3.5	70.9	931
	TOTALS	100.0	99.9	98.5	91.6	79.7	63.3	45.9	26.4	6.7	67.0	7440

GLOBAL CLIMATOLOGY BRANCH  
LSAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 722530 STATION NAME: HECTOR FLD FARGO ND											PERIOD OF RECORD:	77-86
MONTH	FOLPS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN	TOTAL	
		(LIST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	
AUG	00-02	100.0	100.0	99.8	99.7	98.1	93.8	78.5	46.9	10.2	74.6	931
	03-05	100.0	100.0	100.0	99.7	99.4	97.0	90.6	65.6	18.9	83.3	931
	06-08	100.0	100.0	100.0	99.7	99.2	97.2	85.3	57.1	17.1	81.7	931
	09-11	100.0	100.0	99.7	96.8	85.4	60.9	35.8	17.3	3.4	65.5	931
	12-14	100.0	99.6	96.6	79.0	50.8	29.1	16.2	7.8	1.5	53.6	931
	15-17	100.0	98.4	94.1	67.3	38.6	23.7	12.4	5.1	.6	49.8	931
	18-20	100.0	95.8	96.9	86.7	64.7	39.6	22.8	9.1	1.1	57.7	931
	21-23	100.0	100.0	99.7	99.1	94.5	80.9	59.0	24.1	4.7	71.4	931
	TOTALS	100.0	99.7	98.4	91.0	78.8	65.3	49.5	29.1	7.1	67.7	7441

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

MONTH/HOURS	(LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN	TOTAL	
		10%	10%	30%	40%	50%	60%	70%	80%			
		90%	95%	98%	99%	100%	100%	100%	100%			
SEP	00-07	100.0	100.0	100.0	100.0	96.8	89.1	74.7	47.9	15.1	78.3	9.1
	03-08	100.0	100.0	100.0	100.0	99.6	94.9	82.7	61.9	21.7	92.1	5.4
	06-08	100.0	100.0	100.0	100.0	99.9	96.4	84.7	59.7	20.7	63.1	9.0
	09-11	100.0	100.0	99.8	98.8	85.7	67.7	44.1	22.4	6.3	68.1	9.0
	12-14	100.0	99.2	92.7	76.3	56.6	38.9	24.2	13.0	4.0	56.2	9.1
	15-17	100.0	97.7	86.1	66.3	47.8	33.2	21.4	11.4	3.3	52.4	9.0
	18-20	100.0	100.0	96.8	85.2	68.7	51.7	34.2	17.3	4.3	61.6	9.0
	21-23	100.0	100.0	100.0	98.8	90.9	77.1	58.1	31.9	4.6	72.4	9.0
TOTALS		100.0	99.6	98.9	98.4	80.8	68.6	53.1	33.2	10.6	69.2	72.0

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO NC

PERIOD OF RECORD: 77-86  
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN							MEAN RELATIVE HUMIDITY	TOTAL NUMBER OF HRS		
		10%	20%	30%	40%	50%	60%	70%	80%			
OCT	00-02	100.0	100.0	100.0	99.5	95.7	86.9	73.5	44.2	14.1	76.8	930
	03-05	100.0	100.0	100.0	99.8	98.2	93.4	78.1	54.2	19.3	79.5	931
	06-08	100.0	100.0	100.0	100.0	98.7	96.8	83.4	57.3	19.6	80.8	931
	09-11	100.0	100.0	99.8	97.7	89.2	73.4	52.2	26.6	7.6	73.4	931
	12-14	100.0	99.9	96.1	83.4	65.6	43.3	26.5	14.3	4.9	59.0	931
	15-17	100.0	99.7	93.8	75.3	57.6	38.1	24.7	13.4	5.6	56.7	931
	18-20	100.0	99.9	98.6	94.1	81.8	64.0	41.0	20.3	6.7	66.3	931
	21-27	100.0	100.0	100.0	97.7	91.1	80.7	60.4	32.4	9.7	72.9	931
	TOTALS	100.0	99.9	98.5	93.8	84.7	72.0	54.6	32.8	10.8	73.3	7441

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

MOVING HOURS     (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN     (RELATIVE HUMIDITY)	TOTAL     (HRS)
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
	100.0	100.0	100.0	99.9	99.7	93.1	77.8	46.4	15.7	7.7	9.0
NOV 1 00-07	100.0	100.0	100.0	99.9	99.7	93.1	77.8	46.4	15.7	7.7	9.0
1 03-08	100.0	100.0	100.0	99.9	99.2	96.6	81.0	52.8	15.6	8.0	9.0
1 06-08	100.0	100.0	100.0	100.0	100.0	96.6	65.3	55.4	19.8	8.0	9.0
1 09-11	100.0	100.0	100.0	99.3	97.2	89.6	69.8	41.0	13.3	7.6	9.0
1 12-14	100.0	100.0	99.2	96.3	87.2	72.7	46.4	25.1	7.0	6.4	9.0
1 15-17	100.0	100.0	98.0	93.2	84.7	69.9	48.1	24.9	5.3	6.1	9.0
1 18-20	100.0	100.0	99.8	98.8	94.0	84.2	66.9	39.4	10.0	7.4	9.0
1 21-27	100.0	100.0	100.0	99.3	97.2	89.4	72.1	44.3	12.9	77.3	9.0
TOTALS	100.0	100.0	99.5	98.1	94.8	86.4	68.6	41.4	12.4	75.6	7.7

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

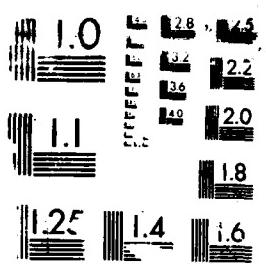
STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-86  
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN							MEAN [RELATIVE HUMIDITY]	TOTAL [HUMIDITY]		
		10%	20%	30%	40%	50%	60%	70%				
DEC	00-07	100.0	100.0	100.0	100.0	96.9	84.6	65.5	39.2	16.7	76.0	931
	07-14	100.0	100.0	100.0	99.6	97.1	84.7	65.6	41.9	15.8	76.1	931
	14-21	100.0	100.0	100.0	99.7	96.7	84.5	65.2	41.4	17.2	76.0	928
	21-28	100.0	100.0	100.0	99.8	97.0	83.4	63.2	36.6	16.0	75.0	913
	TOTALS	100.0	100.0	100.0	99.8	96.0	81.2	61.5	35.3	14.8	74.4	900

AD-A188 328      HECTOR FIELD FARGO NORTH DAKOTA REVISED UNIFORM SUMMARY      4/4  
UNCLASSIFIED      DECLASSIFICATION PERIOD: (U) AIR FORCE ENVIRONMENTAL  
OF SURFACE WETHETE      TECHNICAL APPLICATIONS CENTER SCOTT A.      DEC 87  
USAFETAC/DS-87/681      F/G 4/2      NL





RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87  
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN							MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS		
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.9	97.7	79.7	53.0	28.4	9.6	72.3	7437
FEB		100.0	100.0	100.0	100.0	99.0	86.6	64.4	37.4	11.6	75.3	6768
MAR		100.0	100.0	99.3	98.3	95.0	84.7	66.6	41.2	11.4	75.2	7434
APR		100.0	97.1	90.3	81.0	69.3	56.1	40.1	23.0	6.5	61.9	7201
MAY		100.0	96.9	85.3	71.4	57.2	43.3	30.7	18.1	4.5	56.4	7434
JUN		100.0	99.8	97.2	87.2	74.1	58.7	42.6	24.5	5.8	64.8	7201
JUL		100.0	99.9	98.5	91.6	79.7	63.3	45.9	26.4	6.7	67.0	7440
AUG		100.0	99.7	98.4	91.0	78.8	65.3	49.5	29.1	7.1	67.7	7440
SEP		100.0	99.6	96.9	90.4	80.8	68.6	53.1	33.2	10.6	69.2	7201
OCT		100.0	99.9	98.5	93.8	84.7	72.0	54.6	32.8	10.8	70.3	7440
NOV		100.0	100.0	99.5	98.1	94.8	86.4	68.6	41.4	12.4	75.6	7201
DEC		100.0	100.0	100.0	99.8	96.0	81.2	61.5	35.3	14.8	74.4	7435
TOTALS		100.0	99.4	97.0	91.9	83.9	70.5	52.6	30.9	9.3	69.2	87637

PPPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	FFFFFFF
PPPPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
FP FP	AA AA	RR RR	TT	FF
PPPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
FPPPPPPPP	AAAAAAA	RRRRRRR	TT	FFFFF
PP	AAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
FP	AA AA	RR RR	TT	FF

PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 727530 STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST	MEAN	29.137	29.125	29.046	28.994	28.955	28.931	28.964	28.988	29.000	29.009	29.057	29.079	29.023
00	SD	.283	.256	.237	.226	.197	.170	.156	.160	.214	.228	.274	.299	.238
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
01	MEAN	29.134	29.121	29.032	28.989	28.951	28.922	28.957	28.984	28.996	29.008	29.050	29.076	29.018
03	SD	.283	.258	.242	.229	.203	.173	.158	.160	.217	.227	.278	.300	.240
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	29.132	29.122	29.035	29.003	28.970	28.940	28.977	29.000	29.008	29.017	29.050	29.075	29.027
06	SD	.283	.262	.246	.235	.206	.179	.159	.162	.220	.228	.285	.302	.241
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	29.142	29.132	29.049	29.013	28.978	28.946	28.984	29.007	29.018	29.031	29.062	29.088	29.037
09	SD	.283	.265	.253	.240	.207	.182	.161	.164	.223	.229	.286	.297	.243
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	29.150	29.140	29.054	29.007	28.965	28.941	28.981	28.999	29.010	29.027	29.060	29.094	29.035
12	SD	.285	.266	.253	.236	.205	.180	.158	.165	.225	.231	.285	.297	.244
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.113	29.105	29.026	28.975	28.931	28.919	28.956	28.971	28.976	28.993	29.031	29.066	29.005
15	SD	.283	.262	.246	.226	.199	.172	.156	.160	.221	.227	.276	.294	.239
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.128	29.115	29.029	28.969	28.919	28.938	28.941	28.959	28.974	28.999	29.046	29.082	29.005
18	SD	.279	.256	.236	.222	.195	.169	.153	.158	.215	.226	.268	.291	.237
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
19	MEAN	29.127	29.122	29.040	28.987	28.934	28.918	28.949	28.973	28.994	29.008	29.050	29.084	29.015
21	SD	.284	.252	.231	.221	.192	.164	.151	.158	.212	.228	.269	.291	.235
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
22	MEAN	29.133	29.123	29.039	28.992	28.951	28.928	28.964	28.985	28.997	29.011	29.051	29.080	29.021
ALL	SD	.283	.260	.243	.230	.201	.174	.157	.162	.219	.228	.278	.296	.240
	TOT OBS	2460	2256	2480	2400	2478	2400	2480	2480	2400	2480	2400	2480	29214

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MBS FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 72753C STATION NAME: HECTOR FLD FARGO ND

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00	MEAN	1021.7	1021.0	1017.6	1015.1	1013.3	1012.1	1013.1	1014.0	1014.8	1015.6	1018.0	1019.5	1016.3
00	SD	10.420	9.433	8.545	8.086	7.046	6.048	5.544	5.691	7.689	8.064	9.859	10.857	8.613
00	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
03	MEAN	1021.7	1020.9	1017.2	1015.0	1013.2	1011.9	1013.0	1014.0	1014.8	1015.6	1017.8	1019.4	1016.2
03	SD	10.401	9.509	8.761	8.172	7.256	6.145	5.635	5.713	7.816	8.065	10.014	10.943	8.903
03	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
06	MEAN	1021.6	1020.9	1017.2	1015.5	1013.8	1012.5	1013.5	1014.5	1015.1	1015.9	1017.8	1019.4	1016.5
06	SD	10.382	9.608	8.968	8.368	7.343	6.365	5.660	5.777	7.889	8.118	10.250	11.004	8.919
06	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
09	MEAN	1022.1	1021.4	1017.9	1015.9	1014.2	1012.8	1013.9	1014.6	1015.6	1016.5	1018.4	1020.0	1016.9
09	SD	10.401	9.784	9.160	8.513	7.384	6.480	5.715	5.859	7.992	8.190	10.321	10.898	9.014
09	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	1022.2	1021.5	1017.9	1015.5	1013.6	1012.5	1013.7	1014.4	1015.1	1016.2	1018.1	1020.0	1016.7
12	SD	10.452	9.785	9.099	8.378	7.312	6.358	5.608	5.851	8.038	8.195	10.242	10.642	9.034
12	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	1020.9	1020.4	1017.6	1014.5	1012.5	1011.9	1012.9	1013.5	1014.0	1015.1	1017.1	1019.1	1015.7
15	SD	10.371	9.607	8.698	8.071	7.122	6.115	5.563	5.721	7.925	8.078	9.970	10.730	8.653
15	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
18	MEAN	1021.4	1020.7	1017.0	1014.3	1012.0	1011.4	1012.3	1013.1	1013.9	1015.3	1017.7	1019.6	1015.7
18	SD	10.216	9.381	8.534	7.952	6.994	5.955	5.466	5.618	7.716	8.038	9.664	10.607	8.820
18	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
21	MEAN	1021.6	1021.1	1017.6	1015.0	1012.6	1011.8	1012.7	1013.6	1014.8	1015.7	1018.0	1019.8	1016.2
21	SD	10.396	9.338	8.354	7.848	6.887	5.806	5.373	5.597	7.603	8.125	9.717	10.662	8.761
21	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
ALL	MEAN	1021.6	1021.0	1017.4	1015.1	1013.2	1012.1	1013.1	1014.0	1014.8	1015.7	1017.9	1019.6	1016.3
ALL	SD	10.372	9.548	8.789	8.179	7.191	6.160	5.586	5.747	7.839	8.109	9.998	10.807	8.896
ALL	TOT OBS	2480	2256	2480	2470	2478	2400	2480	2480	2400	2480	2400	2480	29214

END

DATE

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